· :	•		TWIL	ABORA	TORY ANA	LYS	IS R	EPORT	
122 173		PRO	CESS CO	DE BLL	PROFII	LŒ#	at.	5789	
MARTHAURA EMPLOYATION EN WARTE CALLBOAR DIES WASSERSTE MEMBER MINUTE	2 0020200	() () ()	LAB: RU DIOXIN VISUAL	PRECURS INSPECTI	EQUIRED : AS SPECIFIED BE OR ANALYSIS R ON ONLY	LOW EQUII 5%	RED 100	9%	
		· ()	INSPECT RECEIV	T OUTER I ING: VERI	ON: GLOVE BO DRUM ONLY - DO FY ORIGINAL CO	TOM C	OPĘ	1-CMTS	BELOW
RECEIVER#:			DECAN		FO ON PDW REQUIRED ED	_	•	٠	•
MANIFEST#:	•	٠.	As 206	. [	DRUM STORA	GE C	OMP.	ATABILIT	Y
DATE:		٠.	Be 20	0	· Profiled DOT H	azard (	Class	6.1	
SAMPLER SIGN.		<u> </u>	Cd 64 Cr 700	70	P=PAS	zs -	F=FA	IT.	
SAMPLE NUMBER			Hg .6		8A8	В		4/5	
Drum No.			Pb 200	<u> </u>	· · · · · · · · · · · · · · · · · · ·				
Free Liquid (%)			Ash 4	98	PROFILE	1	ORMS	DATE	INIT
Pumpable	YES NO	·	Ţ			YES	МО		
Layers/Phases -% Ea.	1%	2%	3_	%		1:::		. 1	
Color			<u> </u>						
Turbidity	N/A TnsP TnsL Opq	N/A TP TL O							
Viscosity	N/A L M H				(I) M H N/A				
Physical State	Liq Solid Sludge Semi-sld	Liq. Sol Slg Ss	Liq S	ol Sig Ss					
Water Miscibility	Misc Part Floats Sinks . Emis	M-PF-SE	. М Р	FSE					
Add. Description:		· . 4-" a ==			. 4 . 4				
W(4 7) 4 34	I / N NO DYNI	( )RXN: ~	7	<del></del>	<del>Kanadania</del>	-11-12-12-12		<u>~ 7 </u>	<del> </del>
Water Reactivity	( ) NO RXN			<del></del>			<u> </u>		<u> i</u>
Radiation Screen.	( ) =BKG	( )>BKG:		<del>.</del>	=BKG	<del>- </del> -	<del>.  </del> :		
Flam. Pot. Screen	( ) Neg	( )Pos : (··)	BOC -		See Flashpoint	<del>-</del>		· · ·	<u> </u>
pH Screen	( ) 100% ( ) 10%			<del></del>	< 2-12.5 (>12)	2		<u> </u>	
Oxidizer Screen	( ) Neg	( )Pos -				1			
Paint Filter Test	( ) Pass	( )Fail ( )\	V-Fail	(· )N/A_				· · ·	
Cyanide Screen	( ) Neg	( )Pos	. (	()N/A					T
Sulfide Screen	( ) Neg .	( )Pos	(	( )N/A					1.
Incidental odor	( ) No	() Yes:		1,					1
Specific Gravity					~1		T	1	<del> </del>
BTU/LB	· · · · · · · · · · · · · · · · · · ·	· <del></del>	<del>-</del>		23000	+-	+	<del> </del>	<del></del>
% Choride	<del></del>	<del></del>			- 25 -	-+	+	<del> </del> -	<del></del>
Flash Point deg. F	<del>                                     </del>	<del>-</del>	<del>-</del>		<13 <140 >140 N/		-	<del> </del>	<del>                                     </del>
			· · ·	· ·	<del>                                     </del>	`	<del> </del>	<del></del>	<del></del>
PCBs By GC mg/kg	:				<50ppm				<u> </u>
PCBs-Screen ppm	_	<del></del>		<del></del> ,	<50ppm				<u> </u>
2,4,5-T/Silvex ppm	<del></del>							<u> </u>	
PCP Screen ppm	( )KI							<u>:</u>	<u> </u>
pH by Meter	( )100	0% ( ) 10%		<u> </u>					
( ) PCB waived. Does not me	et PCB suspect criteria.	11-30	2-07				<del></del> .	<del></del>	
ACCEPT / REJECT	r			( ) 30	EW PRÓFILE#				
Analytical Comments: (X) Dioxin Precursor analys ( ) Analysis supplied by gen	() Reference Tracking#/Sar sis results below site action levels merator - See Tech. Manager File	(*) No additions		for analys	is.   ) Run on each lo		aste		
Add. Comments			··	·					
PROFILE REVIEW FOR APP	PENDEX WAP-C CONSTITUENTS	BY:	<u>L</u> .	DATE:	12/28/09				
PROFILE & HANDI		( ) Water Reac			7th moisture				
	O NOT mix with pH <6 ( ) Be					ert.			
	rd ()Reactive Category: A			l. Comment					
	LP. S. Y. ALKALINITY			•					
Dri may 12		7/14/			<del></del>			<u>.</u>	

This report has been prepared for the exclusive use and benefit of Waste Mgmt. No representation concerning sample validity or analytical accuracy or completeness is hereby made to any other person receiving this report. This sample was collected according to applicable SW-846 procedures.

#### veolis Es rechnical solutions L.L.C.

#### Wastestream Infornation Propile

- Recertific	cation				Dispossi Gode
_	Veolia Ed Location	TRADE WASTE INCINERATION, INC.	SAUGET	<u>IL</u>	001 911
Involce Ad	idreas	OFFICE	CITY	ST	
				<b></b>	
Ma Po Tone -		y requestedGenerator No.5.	46223 - Canam	AAAM PRA TO Wa	WAD020257945
	e Burlington bualkonardi				<u>WADU2025/345</u>
	ALEXANDER AVE.	INC.	•	State No • Wastestrean No	
City TACOMA		State WA		ZIP 98421	
MAICE (BIC) Co				<del></del>	
**************************************					<del></del> ,
Waste Make CY	ANIDE MIXTURE SOLUTION		Lei	b or Waste Area	
Process Cener		<del></del>			<u> </u>
	LIDATION FROM OUTSIDE EC	DURCES			<u> </u>
	WASTE TOXIC LIQUIDS, CO				
Haiard Class	6.1 DM/MA No. DN2927 PG	1 Sub Sax (8)	RQ amt1 lb W	aste: Y PIE: N TE	i: K DWH: N P: N
Dem: 1.0004	<u> </u>	2. <u></u> 2. <u></u>			
Des: 1.INORG	ANIC CYANIDES, BODIUM HY	DROXIDE 2.			
Waste Codes D	0002 D003 D004 D	0005 D006 D007 D008 D010		P001 P002 F	003 F004 P005
· <u>r</u>	7006 P007 P008 I	F009 P011 P012 F019 F032	7034 P035	P093 P106 U	DS1 U240 U279
Magtovator	Mon Wastermter X	Sub Category D003-RC, D006-KA.	DDGS-NA, FOOJ-NA,	F005-NA, 1240-D8	Mix: N Bol: N
Physical and	chemical properties:			•	•
Physical and		wity Plash Point(F)	Solids	·	
-		Flash Point(F)			0 % ash
< 2	Specific Gra	£ < 60	<u>0 - 0</u> 4	suspended 0	
< 2 2 - 5	Specific Great c.3 b8 - 1.0	p 40 - 100 /	0 - 04 0 - 04	suspended 0 settleable 0	- 0 % water solubil
Physical and < 22 - 5 5 - 9 9 - 12.5	Specific Gra a <,3 b8 - 1.0 c 1.0	6 < 60 b 80 - 100 ' c 100 - 140	0 - 04 0 - 04	suspended 0	- 0 % water solubil
< 2 2 - 5 5 - 9	Specific Gra  a <, J  b8 - 1.0  c 1.0  d 1.0 - 1.2	6 < 80 b 80 - 100 ' c 100 - 140 d 140 - 200	0 - 04 0 - 04	suspended 0 settleable 0 dissolved 1 -	0 % water solubil 2000 BTU/lb
< 2 2 - 5 5 - 9 9 - 12.5 X_ > 12.5	Specific Gra  a <,5  b8 - 1.0  c 1.0  d 1.0 - 1.2  e > 1.2	6 < 60 b 80 - 100 ' c 100 - 140 d 140 - 200 e _X > 200	0 - 04 0 - 04 0 - 04	suspended 0 settleable 0 dissolved 1 -	0 % water solubil 2000 BTU/lb 100 %
< 2 2 - 5 5 - 9 9 - 12.5 X_ > 12.5	Specific Gra  a <,5  b :8 - 1.0  c 1.0  d 1.0 - 1.2  9 5 1.2	6 < 60 b 80 - 100 ' c 100 - 140 d 140 - 200 e _X > 200	0 - 04 0 - 04 0 - 04	suspended 0 settleable 0 dissolved 1 -	0 % water solubil 2000 BTU/lb 100 %
< 2 2 - 5 5 - 9 9 - 12.5	Specific Gra  a	6 < 60 b 80 - 100 ' c 100 - 140 d 140 - 200 e _X > 200	0 - 04 0 - 04 0 - 04	suspended 0 settleable 0 dissolved 1 -	0 % water solubil 2000 BTU/lb 100 %
<pre>     &lt; 2     .2 - 5     .5 - 9     .9 - 12.5     x &gt; 12.5     . exac     . Fhywical 3</pre>	Specific Grant	6 < 80 b 80 - 100 ' c 100 - 140 d 140 - 200 e _X > 200 act	0 - 04 0 - 04 0 - 04	suspended 0 settleable 0 dissolved 1 - Free Liquid 95 VOC 0	- 0 % water solubil 2000 BTU/lb -100 %
<pre>     &lt; 2</pre>	Specific Gra  a <.5  b8 - 1.0  c 1.0  d 1.0 - 1.2  9 > 1.2  c8- 1.4 exa	6 < 80 b 80 - 100 ' c 100 - 140 d 140 - 200 e _X > 200 act	0 - 04 0 - 04 0 - 04	suspended 0 settleable 0 dissolved 1 - Free Liquid 95 VOC 0	- 0 % water solubil 2000 BTU/lb -100 %
_ < 2 2 - 5 _ 5 - 9 _ 9 - 12.5 exac exac exac solid _ semi-solid	Specific Gra  a <.5  b8 - 1.0  c 1.0  d 1.0 - 1.2  9 > 1.2  1.0  1.0 - 1.4 exa	6 < 80 b 80 - 100 c 100 - 140 d 140 - 200 e _X > 200 tet	0 - 04  0 - 04  0 - 04  exact  ve or NRC regulare	suspended 0 scttleable 0 dissolved 1 - Free Liquid 95 VOC 0	- 0 % water solubil 2000 BTU/1b -100 % - 0 %
<pre></pre>	Specific Gra  a <,5  b8 - 1.0  c 1.0  d 1.0 - 1.2  9 5 1.2  c8 1.4 exa  thate  a air  v wate  c cyan	### ##################################	0 - 04  0 - 04  0 - 04  exact  ve or NRC regulates sitive	suspended 0 settleable 0 dissolved 1 - Free Liquid 95 VOC 0 d a none b mild c scrong	0 % water solubil 2000 BTU/lb 0 % 0 %
<pre>     &lt; 2</pre>	Specific Gra  a	b 80 - 100 ' c 100 - 140 ' d 140 - 200 ' e _X > 200 ' let f no flash  Hemandous Characteristics reactive	exact  strive  ation/monomer	suspended 0 settleable 0 dissolved 1 - Free Liquid 95 VOC 0 d a none b mild c scrong	0 % water solubil 2000 BTU/lb 0 % 0 %
<pre>     &lt; 2</pre>	Specific Grs  a <,5  b 8 - 1.0  c 1.0  d 1.0 - 1.2  b > 1.2  c 8 1.4 exs  thate  a Air  v wate  c cyan  semi-solid f sulf	b	exact  exact  o - 0t  o - 0t  o - 0t  co - 0t  exact  exact  exitive  exitive  exitive  exitive	suspended 0 settleable 0 dissolved 1 -  Free Liquid 95 VOC 0  d a none b mild c scrong describe	0 % water solubil 2000 BTU/lb 0 % 0 %
<pre>     &lt; 2</pre>	Specific Gra  a	b _ 80 - 100  b _ 80 - 100  c _ 100 - 140  d _ 140 - 200  e _ > 200  act f _ no flash  Hazardous Characteristics  reactive	exact  exact  or NRC regulate  stingen  s	suspended 0 settleable 0 dissolved 1 -  Free Liquid 95 Voc 0  d a none b wild c strong describe	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %
<pre></pre>	Specific Gra  a	b 80 - 100 ' c 100 - 140 ' d 140 - 200 ' e > 200 ' e > 200 ' act f no flash  **Massardous Characteristics**  reactive	exact  exact  or NRC regulate  stingen  s	suspended 0 settleable 0 dissolved 1 -  Free Liquid 95 Voc 0 d a none b wild c strong describe	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor
<pre></pre>	Specific Gra  a	b 80 - 100  b 80 - 100  c 100 - 140  d 140 - 200  e _X > 200  act f no flash  Basardous Characteristics  reactive	exact  exact  or NRC regulate  stingen  s	### ##################################	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor
<pre></pre>	Specific Green	b 80 - 100  b 80 - 100  c 100 - 140  d 140 - 200  e _X > 200  act f no flash  Basardous Characteristics  reactive	exact  exact  or NRC regulate  stingen  s	### ##################################	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor  Malogens .0 % Browine .0 % Chlorine .0 % Fluorine
<pre></pre>	### Specific Gra    A	b 80 - 100  b 80 - 100  c 100 - 140  d 140 - 200  e _X > 200  act f no flash  Basardous Characteristics  reactive	exact  exact  or NRC regulate  stingen  s	### ##################################	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor  Malogens .0 % Browine .0 % Chlorine .0 % Fluorine
<pre></pre>	### Specific Gra    A	b 80 - 100  b 80 - 100  c 100 - 140  d 140 - 200  e _X > 200  act f no flash  Basardous Characteristics  reactive	exact  exact  or NRC regulate  stingen  s	### ##################################	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor
<pre>     &lt; 2</pre>	### Specific Gra    A	b 80 - 100  b 80 - 100  c 100 - 140  d 140 - 200  e _X > 200  act f no flash  Basardous Characteristics  reactive	exact  exact  o - 0+  o - 0+  exact  exact  exact  stive  ation/monomer  inogen  s  n hazard	### ##################################	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor
<pre>     &lt; 2</pre>	######################################	Basardous Characteristics  reactive x radioactive to temp sens.  ide reactive m polymeriz.  colve n OSHA care  dizing acid i infectious  exide former b inhalarious  zone:	exact  exact  o - 0+  o - 0+  exact  exact  exact  stive  ation/monomer  inogen  s  n hazard	### Suspended   0     0	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor
<pre></pre>	Specific Gra  a <.5  b 8 - 1.0  c 1.0  d 1.0 - 1.2  e 5 1.2  c 8- 1.4 exs  thate  a air  w wate  c cyan  emi-solid f sulf  awder e expl  c oxid  p perc  d liquid  aultilayered:  Top_Layer	b 80 - 100  b 80 - 100  c 100 - 140  d 140 - 200  e X > 200  f no flash  Haserdous Characteristics  reactive	exact  exact  o - 0+  o - 0+  exact  exact  exact  stive  ation/monomer  inogen  s  n hazard	### Suspended   0	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor  Malogens .0 % Browine .0 % Chlorine .0 % Fluorine
<pre>     &lt; 2</pre>	Specific Gra  a <.5  b 8 - 1.0  c 1.0  d 1.0 - 1.2  e 5 1.2  c 8- 1.4 exa  thate  a air  w wate  c cyan  emi-solid f sulf  awder e expl  c oxid  p perc  d liquid  40 CFR 258.45  iquid	b 80 - 100  b 80 - 100  c 100 - 140  d 140 - 200  e	exact  exact  o - 0+  o - 0+  exact  exact  exact  stive  ation/monomer  inogen  s  n hazard	### Suspended   0     0   0   0   0   0   0   0   0	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor  Malogens .0 % Browine .0 % Chlorine .0 % Fluorine .1 % Iodine
<pre>     &lt; 2</pre>	Specific Gra  a	b 80 - 100  b 80 - 100  c 100 - 140  d 140 - 200  e X > 200  f no flash  Haserdous Characteristics  reactive	exact  exact  o - 0+  o - 0+  exact  exact  exact  stive  ation/monomer  inogen  s  n hazard	### Suspended   0   0   0   0   0   0   0   0   0	- 0 % water solubil 2000 BTU/lb  -100 % - 0 %  Odor  Malogens .0 % Browins .0 % Chlorins .0 % Fluorins .1 % Iodins

#### Veolia ES Technical Solutions L.L.C.

#### WASTESTREAM IMPORMATION PROFILE

remidal Composi	tion [M-Marine Pollutant, S=Severe Marine Pollutant, O=Ozone			
	U=Underlying Hazardous Constituent, B=Benzene NESHAP, T= Constituents		RA Carcinoge Augus	n) Units
	T,U, ARSENIC	<u>.</u>	.00	15.00 *
	T.U. BARIUM (ELEMENT)		.001	15.00 *)
	T.U. CHROMIUM	<u> </u>	.00	15.00
	T.U. LEAD		.001	15.00
	PHENTLTHIOGREA		.00	1.00 %
	MUXDOS		. 00	15.00 %
	H.T.U. [CADMIUM (METAL)		.00(	15.00
	WATER		50:00	99 -00
•	I,U, SILVER		.00]	15.00
•	CYMIDE '		1.10	10,00 %
	PLUORIDE		.00	-10 . 3
	ZINC (ALL METALS LISTED IE ARSENIC, BARTUM,	ETCI ARE	-001	15.00 3
	PRESENT AS CATIONIC SYRCIRS.	1	1 1 1	1 1
ther:		,	•	<u></u>
	stream being imported into the USA?	Yes N	o Y	
	testreem contain PCBs regulated by 40CFR?	Yes N		
	ation00 ppm	+ · · · · ·	- <u></u>	
	Btream subject to the Marine Pollutant Regulations?	Yes N	'nΤ	
	otream from an industry regulated under Benzene NESKAP?	Yes N	_	•
If yes:		100 <u> </u>	<u></u>	•
	stestreum subject to Motification/Control Requirements?	Хсв И	A Y	
	Ogcentration	* "	.eoppen	
	ontain >= 104 Water?	Yes %		•
	he TAB at your facility?	·	.00 Mg/Yr	•
	SEXEAM Subject to RCRA subpart CC controls?	Yes N		
	Organic Concentration	- <del>-</del>		
VOIGCIIE (	CC Approved Analytical Method?		00 <u>pp</u> mw	,
		Xes x		
2. To 450 Noores	Generator Knowledge?	Yes N	<del></del>	•
:. To CHE MUSICA	stream from a CERCLA or state mandated cleanup?	Aea — M	<u>,                                     </u>	
4. Container In	formation :			· · · · · · · · · · · · · · · · · · ·
ackaging:	TANKER Type/Size: IT TANKER TRUCK			
	Type/Size:			
	-18-1 APA-1	•		
hipping Pressen	ry: Units 5000.00 Per Day Per Week X Per Month _	Per Qtr Per	Year On	e Time
	DOM GALLONS DESCRIPTION:	A DE MAN		
	DESCRIPTION.			
5. Additional Iz	nformation :			<del></del>
, multiness 11	· · · · · · · · · · · · · · · · · · ·			

#### reolia ES Technical Solutione f. L. C.

#### WASTESTREAM INFORMATION PROFILE

#### GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize sampling of any waste shipment for purposes of recertification.

Name (Print or Type)

<del>V Wa 1</del>

Date

dometure on 2010

ionature

Title

If approved for management, Veolia 26 has all the necessary permits and licenses for the waste that has been characterized and identified by this profile.

Date 1/25/05 Time 10:43:05			WAR			Page : Program . : User :	1 R7004RPT WM0911KEM
Report: 7004						Version: 4A.0	0.0
This Report is intended for the concerning significance of the	use and bene reported data	efit of W a is made	aste Management and its to any other person or	companies. N	o represe	ntation	
Tracking Number : 4531060 Site Name : MIDWEST REG. Waste Description : CYANIDE MIX' Priority Code . : PA	IONAL LAB TURE SOLUTIO	N	Profile Generator Name : Date Received : Approved	CI5789 PHILIP SERVIC 12/30/98 V 1/06/99	ES CORP		
FI							
Test Description	Ext. Procedure	L	Test Result	Unit Desc.	Date	Lab	
INCIDENTAL ODOR LAYERS PERCENT FREE LIQUIDS COLOR PHYSICAL STATE WATER SOLUBILITY TURBIDITY VISCOSITY CYANIDE SCREEN OXIDIZER SCREEN FLAM. POTENTIAL SULFIDE SCREEN PAINT FILTER TEST RADIATION SCREEN PH BY PAPER WATER REACTIVITY			no reaction .	Std Unit	12/31/98	SXR SXR SXR SXR SXR SXR SXR SXR SXR SXR	
	Ext. Procedure		Test Result	Unit Desc.	Date Analyzed	Lab	
SILVER - TOTAL ARSENIC - TOTAL BARIUM - TOTAL BERYLLIUM - TOTAL CADMIUM - TOTAL CHROMIUM - TOTAL MERCURY - TOTAL POTASSIUM - TOTAL SODIUM - TOTAL NICKEL - TOTAL LEAD - TOTAL ANTIMONY - TOTAL THALLIUM - TOTAL VANADIUM - TOTAL		01		PPM	1/05/99 1/05/99 1/05/99 1/05/99 1/05/99 1/05/99 1/05/99 1/05/99 1/05/99 1/05/99 1/05/99	REC REC REC REC REC REC REC REC REC REC	

Date 1/25/05 Time 10:43:05				WAR			Program :: User ::	R7004RPT WM0911KEN
Report: 7004							Version: 4A	.00
Tracking Number : 4531060 Site Name : MIDWEST R Waste Description : CYANIDE M Priority Code . : PA	EGIONAL LAB IXTURE SOLUTIO	on	2522	Profile : Generator Name . : Date Received . : Approved :	C15789 PHILIP SERVIC 12/30/98 Y 1/06/99	ES CORP		
Test Description	Ext. Procedure	L #		Test Result	Unit Desc.	Date Analyzed	Lab I Tech	
HEATING VALUE SPECIFIC GRAVITY SULFUR, AS S (TOTAL) ASH CONTENT, ON IGNITION TOTAL ORGANIC CONTENT BROMINE DH BY METER FLUORINE CHLORINE SCRUB ACIDITY WATER CONTENT	D5057-90 CWM 92-40 CWM 92-69	01 01 01 01	< < <	450 1.1138 0.1 9.38 7.22 0.1 12.8 0.32 2.03 0.03 83.4	Std Unit % %	12/31/98 12/31/98 12/31/98 12/31/98 12/31/98 12/31/98 12/31/98	S SXR S SXR S SXR S SXR S SXR S SXR S SXR S SXR S SXR	
Comments: RT#542722 - RECERT -	Bulk liquid.							
		====	====		*=========	.======	=========	========
CERTIFICATION: The analytica herein in characterizing wast Management, Inc. shall assume The 'stated purpose' may inc.	e materials. no liability	Any o bevo	ther	use is at the user's r he stated purpose of th	isk and Chemica e data herein o	l Waste		
			Ap	proval:				
			7.5	h Managers Name:				

			·				
Date 1/25/05 Time 10:43:00			WAR		I I	Page : Program . : User :	WM0911KEM
D-mark . 7004					Ţ	Version: 4A	. 00
This Report is intended for concerning significance of	r the use and ben	efit of '	Waste Management and it e to any other person o	s companies. N or entity	o represer	ntation	
Tracking Number : 4510525 Site Name : MIDWEST Waste Description : CYANIDE Priority Code . :	9 I REGIONAL LAB E MIXTURE SOLUTIO	'n	Profile : Generator Name . : Date Received . : Approved . :	CI5789 PHILIP SERVIC 1/19/98 Y 1/22/98	ES CORP		
	FINGERPRINT						
Test Description	Ext. Procedure	L	Test	Unit Desc.	Date Analyzed	Lab Tech	
INCIDENTAL ODOR LAYERS PERCENT FREE LIQUIDS COLOR PHYSICAL STATE WATER SOLUBILITY TURBIDITY VISCOSITY CYANIDE SCREEN OXIDIZER SCREEN FLAM. POTENTIAL SULFIDE SCREEN RADIATION SCREEN DENSITY PH BY PAPER WATER REACTIVITY		01 01 01 01 01 01 01 01 01 01 01 01	none  1 100 brown liquid soluble translucent low positive negative negative negative background  1.1358 13 negative	% Std Unit	1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98 1/21/98	OAI	
Test Description	Ext.	$\mathbf{L}$	Test		Date	Lab	
AROCLOR 1016 AROCLOR 1221 AROCLOR 1232 AROCLOR 1242 AROCLOR 1248 AROCLOR 1254 AROCLOR 1254 AROCLOR 1260	Procedure PCBS PCBS PCBS PCBS PCBS PCBS PCBS	# 01 < 01 < 01 < 01 < 01 < 01 < 01 < 01 <	5.2 5.2 5.2 5.2 5.2 5.2	Desc. PPM PPM PPM PPM PPM PPM PPM	Analyzed  1/21/98  1/21/98  1/21/98  1/21/98  1/21/98  1/21/98  1/21/98	RXD RXD RXD RXD RXD RXD RXD	
	SPECTROSCOPY						
Test Description	Ext. Procedure		Test Result	Unit Desc.	Date Analyzed	Lab Tech	
SILVER - TOTAL		01 <	20	PPM	1/22/98	RJK	

			Annendiy I		
- D GENTE G TOTAL	01 <	200	Appendix I <sub>PPM</sub>	1/22/98	RJK
ARSENIC - TOTAL	01	200	PPM	1/22/98	RJK
BARIUM - TOTAL	01		PPM	1/22/98	RJK
DEDVILTIM ~ TOTAL	01 <	200	PPM	1/22/30	KOK

NEIC VP0972E01

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Lab Managers Name:

Veolia ES Technical Services Sauget, Illinois 

			Whi	Deliuix L			
Date 1/25/05 Time 10:43:08			WAR		I T	Page : Program . : Jser :	WMO911KEM
- 1. 7004					1	Jersion · 4A (	10
Report: 7004  ==================================	the use and ben	etit of W a is made	waste Management and its to any other person or	companies. No	o represer	ntation	
Tracking Number : 4582415 Site Name : MIDWEST F Waste Description : CYANIDE N Priority Code . : 97	REGIONAL LAB MIXTURE SOLUTIO	N	Profile : Generator Name . : Date Received . : Approved . :	CI5789 PHILIP SERVICE 11/04/02 N	ES CORP		
	FINGERPRINT						
Test Description	Ext. Procedure	L #	Test Result	Unit Desc.	Date Analyzed		
LAYERS PERCENT FREE LIQUIDS WATER SOLUBILITY VISCOSITY CYANIDE SCREEN OXIDIZER SCREEN SULFIDE SCREEN RADIATION SCREEN		01 01 01 01 01 01 01	3 99 TOP INSOL FLOATS LOW/LOW/NA NEG NEG BACKGROUND	ğ	8/08/00 8/08/00 8/08/00 8/08/00 8/08/00 8/08/00 8/08/00	DAG DAG DAG DAG DAG DAG	
PH BY PAPER	nase						
Test Description	Ext. Procedure	L	Test	Unit Desc.	Date Analyzed	Lab Tech	
PCB's		01 <		MG/KG			
	WET CHEMISTRY						
Test Description	Ext. Procedure	L #	Test Result	Unit Desc.	Date Analyzed	Lab Tech	
HEATING VALUE CHLORINE FLASH POINT - CLOSED CUP		01 01 < 01	680 5 147	BTU/LB % DEG F	8/08/00 8/08/00 8/08/00	DAG	
Comments:  WATER SOLUBILITY=MII SILVEX <65 PPM 2,4,5-T <65 PPM PCP <100 PPM WAR copied from trace							

Date 1/25/05 Time 10:43:08	WAR	Program : R7004RPT User . : WM0911KEM
Report: 7004		Version: 4A.00
Tracking Number : 4582415 Site Name : MIDWEST REGIONAL LAB Waste Description : CYANIDE MIXTURE SOLUTION Priority Code . : 97	Profile : CI5789 Generator Name . : PHILIP SERVICES CORP Date Received . : 11/04/02 Approved : N	
CERTIFICATION: The analytical results in this reporterein in characterizing waste materials. Any other Management, Inc. shall assume no liability beyond the 'stated purpose' may include waste approval dete	use is at the user's risk and Chemical Waste e stated purpose of the data herein containe	ed.
App	roval:	
Lab	Managers Name:	

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(1)	> 7	$)$ ʻ $\sim$

Circle all that apply	Comment Key
New Direct Schedule Recert Intercompany	A=Amendment L=PSC Comments C=CSR Comments O=Other information D=DOT Properties P=Process Code E=PPE Requirements R=Restrictions/Limits/Precautions G=General Comment S=Special Handling H=Hold related info
<u>l-Series</u>	HBU
1. CSR (new, and all directs)  /Customer #  Generator #	1. CSR (new, and all directs) BIF- G# BIF- I #
2. Check-In (all directs) Enter WIP # Initiate activity	2. Check-In (all piew) Check in (LM03, LM01)
3. Approvals  (all)  Verify approval (or WIP, if new direct)  Add activity to WIP/create approval (directs)  Comments:  HBU section 28  HBU section 29  Process Code  HBU F22 PSC comments	3. Approvals (all) HBU recert or approval Update/enter Waste Tracking info
Temporary Hold Flag Flip  1. Check-Out all) Print approval	4. Check-Out (all) Print approval HBU Check-out (new)
5. CSR all) review comments in HBU and copy to iseries as necessary) PPE -E DOT Properties -D CSR Comments -C Additional comments if necessary	5. CSR (all)  PPE -E  DOT Properties -D  CSR Comments -C  Additional comments if necessary
i. Kathy and Christie all) Pricing on Approval and WIP NEIC VP0972E01	Page 23 of 412 Veolia ES Technical Services

NEIC VP0972E01



Technical Solutions North America

Thursday, April 22, 2010

FILE COPY

### **BURLINGTON ENVIRONMENTAL INC.**

1701 ALEXANDER AVE. **TACOMA, WA 98421** 

RE: Quote #QA110000209

#### Dear BURLINGTON ENVIRONMENTAL INC.:

Veolia ES Technical Solutions, LLC is pleased to confirm the approval of your waste material as described below. The attached profile for the waste materials was prepared by Veolia based upon information provided by you. It is important that no changes be made to the profile without Veolia's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste material.

Generator:

BURLINGTON ENVIRONMENTAL INC.

WIP/Profile Number:

23926, TWICI5789

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Services provided:

Disposal

Approved Management

Veolia ES Technical Solutions, Sauget, IL

Facility:

**Pricing** 

Disposal Fee

\$0.23 per pound,

\$2000.00 minimum per load applies

<u>Transportation</u>

Customer to supply.

Demurrage

N/A

Illinois Hazardous

\$0.03/gallon

<u>Fees</u>

Waste Approval

Recert, waived

Fees

Characterization and Unknowns are priced upon request

Energy & Security

Waived



Technical Solutions
North America

#### **Pricing Conditions**

Tanker Rinseout and Heel Removal Fees:

- \$536.00 aqueous rinseout fee (no solids) plus cost of solvent used (Waterblasting not needed)
- \$1071.00 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used – (Waterblasting not needed)
- \$1071.00 minimum tanker entry fee plus \$1.55 per pound disposal for cleanout > 50 gallons of non-flushable solids.
   50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials (wasterblasting required) will be evaluated on a case-bycase basis.

#### **Special Conditions:**

- A signed and completed Land Disposal Notification and Certification form must accompany each shipment
- RQ's and waste profile numbers must appear on the manifest and drums.
- DOT approved containers.
- All shipments must be made using a Uniform Manifest.
- Bulk liquids: Material which cannot be offloaded wil be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.

Profile Expiration Date:

12-28-2011

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Payment terms shall be in accordance with the payment terms on our invoice. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by Veolia ES Technical Solutions, L.L.C. upon thirty (30) days prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If you have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material. Veolia ES Technical Solutions, L.L.C. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Sincerely,

Suzie McCreary CSR/Sales Rep

THE REPORT OF THE SECOND STATES OF THE SECOND SECON



Technical Solutions North America

Veolia ES Technical Solutions



# Technical Solutions North America

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Suzie McCreary CSR/Sales Rep

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Technical Solutions
North America

Veolia ES Technical Solutions

# PPE CODES FOR PREPARATION SHEET AND PROCESS PLAN GLOVES

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78	PVA, ORANGE, AI					
79:	BUTYL RUBBER,		B-174, BEST	C 878		
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	VITON, BLACK				-	
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Veolia ES Technical Services Sauget, Illinois

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was a quanta i					Appendix L		•		
			::			PHYSICAL	DESCRIPT	ION WORK	SHEET
திவளின் இவர்கள் பெல்லையை இரண்டு புதின் மேல் புதிவ்வல் அன்ற நடிக்கள்			•			Receiver	#		
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ORUM #	SIZE/TYPE	O/P		COLO	r/descr	IPTION	% FULL	% BOLID	%LIQUI
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ONYX ENVIRONMENTAL SERVIAMPENDENDE Report: R7008 DATE: 12/31/09

Version 06.04 WASTE PROFILE SUMMARY TWI-CI5789 SELLING REGION LAB - MRL

NUMBER....: 103-4-349

EXPIRES..... 12/28/11

STATE EPA ID..: 9530019999 EPA STATUS....: CHK RESTRICT

15 %

STATUS.....: APPR FOR SERV FEDERAL EPA ID: WAD020257945

PHONE....:

SALES OFFICE..: PTA

BUSINESS: BURLINGTON ENVIRONMENTAL INC

DEPT....:

ADDRESS 1: 1701 ALEXANDER AVE

ADDRESS 2:

CITY/ST..: TACOMA

WA 98421-4106

the side of the control of the contr

CONTACT..:

WASTE NAME: CYANIDE MIXTURE SOLUTION

PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION MIN - MAX UNIT DESCRIPTION

CYANIDE 10 % 99 % 50 WATER FLUORIDE 0 0.1 % NON-TRI CHEMICALS 25 % ORGANICS, REGULATED AND NON - REGULATED.

INERT INORGANIC SALTS

ARSENIC BARIUM CADMIUM LEAD ZINC CHROMIUM

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

TCA OR TOTAL PHYSICAL CHARACTERISTICS

Physical State...: Liquid

Flash Point....: > = 200

рн..... 12.5 - 14.0 Color..... BROWN TO VARIES

Odor..... NONE

Layers..... Single Layer Specific Gravity.: 0.800 - 1.400 Free Liquids....: 95 - 100

10.0 % Cyanides....: 0.1 To Sulfides....: < 3

PCB's..... N/A ppm, Regulated by 40 CFR 761:

n

Phenolics....: < 10 PPM

% Taxable....: DOT UN/NA NBR: UN2927

Treatment Codes..: T07

CRQ RPT QTY..... 1 Material Class: EPA Permit....: EXP:

Hazard Class....: 6.1

State Codes....: 090001

NESHAP: Benzene .....:

Packing Group....: II Process Codes....: BLL Cert of Dstrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES

N-DEX INNER GLOVE

SARANEX

50% OIL BTU WILL BE >2000, OK TO ACCEPT ONE TIME

TYPE C RESPIR CONST FLOW PVC YELLOW OVR BOOT COVER

CONTAINS CYANIDES - DO NOT MIX W/PH <6 CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2 Flammable: 0 Health: 0

SUMMARY

Waste Type Form Code

B119

COMMENTS

SHIPMENT RECEIVED ON NOV 19 2008 WILL CONTAIN PRICING FOR NOV 19, 2008 LOAD IS \$0.24/LB

CHARGE CODE: NS

PE UNTIL 12-31-09

wt 2009

drayage price will be \$2,700.00 to cover the REVIEWED FOR MACT METALS

cost of any rinsing of the tankers. If ther is an extensive heal, pricing will based on case-by case +

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Veolia ES Technical Services Sauget, Illinois

TOTAL

TOTAL

PPM

Report: R7008 DATE: 12/31/09 PROFILE: C15789 onyx environmental servic**Appendix** L waste profile summary addendum

Version 01.00 APENDIX PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER SODIUM COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE

PRESENT AS CATIONIC SPECIES.

PHENYLTHIOUREA

0 1 %

COMMENTS

Not included on Waste Profile Summary Report

basis

# Veolia ES Tech Apperaix L Solutions. LLC GENERATOR'S WASTE PROFILE SHEET

Profile # TWI C15789

_	Check here if this is a Recertification LOCATI	ION OF ORIGINAL <u>CWM, INC</u>	PURT ARTHUR	<u> </u>
	NERAL INFORMATION Generator Name: <u>BURLINGTON ENVIRONMENTAL INC</u>	Generator USEPA II	): <u>WAD020257945</u>	
2.	Generator Address: 1701 ALEXANDER AVE	Billing Address:	PHILIP SERVICE	S CORP
		(_) Same	734 S LUCILE S	ST
	TACOMA WA 98421-4106			
3.	Technical Contact/Phone: Alternate		SEATTLE	WA 98108-2631
4.	Alternate Contact/Phone:	Billing Contact/Phone:	_	
PRC 5.	OPERTIES AND COMPOSITION Process Generating Waste: CYANIDE CONSOLIDATION FROM	OUTSIDE SOURCES		
6.	Waste Name: CYANIDE MIXTURE SOLUTION			
7A. B.	Is this a USEPA hazardous waste (40 CFR Part 261)? Identify ALL USEPA listed and characteristic waste	Yes $(\underline{X})$ No $(\underline{\ })$ code numbers $(\overline{D},F,K,P,U)$ :	D002 D003 D004 D	0005 D006 D007 D008 D010 D011
	D014 F001 F002 F003 F004 F005 F006 F007 F008 F009 F	See attachment 1	State Waste Code	es: <u>090001</u>
8.	Physical State @ 70F: A. Solid(_) Liquid( $\underline{X}$ ) Both(_) G	$Gas(\underline{\ })$ B. Single Layer ( $\underline{X}$ )	Multilayer (_) C	. Free liq. range <u>95</u> to <u>100</u> %
9A.	pH: Range 12.5 to 14.0 or Not applicable (_) B. S	Strong Odor (_);describe		
10.	Liquid Flash Point: < 73F (_) 73-99F (_) 100-139F (	_) 140-199F (_) >= 200F	( <u>X</u> ) N.A. (_) C	Closed Cup (X) Open Cup (_)
11.	CHEMICAL COMPOSITION: List ALL constituents (incl. Constituents		ent in any conce lange Unit	
	CYANIDE	0.1	to 10 %	<del></del>
	WATER	50	to 99 %	<u> </u>
	FLUORIDE	0	to 0.1 %	
	NON-TRI CHEMICALS	0	to 25 %	
	ORGANICS, REGULATED AND NON - REGULATED.		to	
	INERT INORGANIC SALTS TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):		to 15 % 150.100000	See attach
12.	OTHER: PCBs if yes, concentration N _ p Radioactive ( ) Benzene if yes, concentration Carcinogen ( ) Infectious ( ) Other	opm, PCBs regulated by 40 C on Ppm. NE	FR 761 (_). Pyr SHAP (_) Shock S	ophoric (_) Explosive (_) ensitive (_) Oxidizer (_)
13.	If waste subject to the land ban & meets treatment s	tandards, check here: _ &	supply analytica	l results where applicable.
SHI 14.	PPING INFORMATION PACKAGING: Bulk Solid (_) Bulk Liquid ( <u>X</u> ) Drum (_)	Type/Size: TANK	Other	
15.	ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLON	Shipping	Frequency: WEEK	
SAM 16a	MPLING INFORMATION a. Sample source (drum, lagoon, pond, tank, vat, etc.)	:	Sam	ple Tracking Number: <u>5643969</u>
	Date Sampled: Sampler's Name/Company:			
16b	o. Generator's Agent Supervising Sampling:	1	7. (_) No sample	required (See instructions.)
GEN	ERATOR'S CERTIFICATION			

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Veolia ES Technical Solutions to obtain a sample from any waste shipment for purposes of recertification.

18. This is a Nonwastewater.

19.					to any Califo	rnia li	st res	trictions	enter t	he let	tter from	below	(either	A or	B.1)	next	to
	each r	estrict	ion	that is	applicable:												
					HOCs	P	CBs	Acid,	Meta	ls, _	Cyanid	es					

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

	A. US EPA HAZARDOUS	B. SUBCATEGORY Enter the subcategory descript	ion.			ICABLE TREATMENT STANDARDS	D. HOW MUST THE WASTE BI
EF #	WASTE CODE(S)	simply check none			MANCE- ED: applicable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s)	MANAGED?  Enter letter from below
		DESCRIPTION Non-CWA, Non-Class 1 managed	NONE	268.41(a)	268.43(a)	268.42	
1	D002	corrosive char. wastes				DEACT	Α
2	D003	REACTIVE CYANIDES					Α
3	D004		Χ				Α
4	D005		Χ			·	Α
5	D006		Χ				A
6	D007		Χ				Α
7	D008		Χ				Α
8	D010		Χ				A
9	D011		Χ				A
10	D014	Non CWA					A
11	F001		Χ			INCIN	A
12	F002		Χ			INCIN	Α
13	F003		Х			INCIN	A
14	F004		Χ			INCIN	A
15	F005		Χ			INCIN	A
16	F006		Χ				A
17	F007		X				A
18	F008		Χ				А
19	F009		Х			_	A
20	F011		Χ				Α
21	F012		Χ				A
22	F019		Χ				A
23	F032		Х				A
24			Х				A
25	F035		Х				Α
26	P093		Х			INCIN	A
27	P106		Χ				А
28	U051		X	X	Х		A
<del></del> 29			Х				A
30			X	Page 45 of		Veolia ES Tech	

NEIC VP0972E01

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Veolia ES Technical Services Sauget, Illinois 20. USEPA hazardous waste numbers (continued):

REF	A. US EPA HAZARDOUS WASTE CODE(S)	B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none	C. APP  PERFORMANCE- BASED: Check as applicable	LICABLE TREATMENT STANDARDS  SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42	D. HOW MUST THE WASTE BE MANAGED?  Enter letter from below
_	_	DESCRIPTION NONE	268.41(a) 268.43(a)	table 1 treatment code(s)	_

Management under the land disposal restrictions: A. RESTRICTED WASTE REQUIRES TREATMENT

- B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS
- B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
- B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD
- B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD
- C. RESTRICTED WASTE SUBJECT TO A VARIANCE
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
- E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21.	is this waste	a soll or debr	is? No: <u>X</u>	Yes. S	5011: _	Yes. Debris: _	
22.	Specific Grav	ity Range: <u>.800</u>	o to 1.400				
23.	Indicate the	range of each:		Ur	nits		
	Cyanides: _	0.1	to	10.0	<u>%</u>	Type (free, total, amenable, etc.)	TOTAL
	Cyanides: _	None	to		·	Type (free, total, amenable, etc.)	
	Sulfides: ≤	3	to		PPM ·	Туре	TOTAL
	Optional Phenolics: <	10	to		PPM		

24. Identify the waste color BROWN TO VARIES \_\_\_\_ , DOT physical state <u>Liquid</u> and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION		26. RECLAMATION. FUELS or INCINERATION PARAMETERS (Provide if information is available)
TOTAL		RANGE
Beryllium as Be < 5000	ppm	A. Heat Value (Btu/lb):12000
Potassium as K	ppm	B. Water:
Sodium as Na88000	ppm	C. Viscosity (cps):@F100 F150 F
Bromine as Br <u>&lt; 5</u>	%	D. Ash: %
Chlorine as Cl < 5	%	E. Settleable solids: %
Fluorine as F < 5	%	F. Vapor Pressure @ STP (mm/Hg):
Sulfur as S < 5	%	G. Is this waste a pumpable liquid? Yes X No _
		H. Can this waste be heated to improve flow? Yes $\_$ No $\underline{X}$
		I. Is this waste soluble in water? Yes X No _
		J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes X No _
27. TRANSPORTATION INFORMATION		· .
A. Is this a DOT Hazardous Material? Yes X No		
B. Proper Shipping Name WASTE TO	OXIC LIOU	IDS. CORROSIVE. ORGANIC. N.O.S
	,	
and Additional Description if required: (CYANIDE	E, ARSENIO	
RQ(D004)		
C. DOT Regulations: <u>United Nations</u> Hazard Class:	6.1 Pois	sonous materials I.D. UN2927 Packing Group: II
D. CERCLA Reportable Quantity (RQ) and units (Lb. Kg		<del></del>
E. Non-Bulk code 202 Bulk code 243		
F. Special Provisions T42		
G. Labels Required POISON OR TOXIC CORROS	SIVE	
28. SPECIAL HANDLING INFORMATION		
CONTAINS CYANIDES - DO NOT MIX W/PH <6		
CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD		
_ Material Safety Data Sheets Attached		
29. OTHER INFORMATION		
GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WA	ASTE MUST	CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION. RE	F RCVR# 2	27-4748 FOR RECERT ANALYSIS, 6/24/05
<u>. RE</u>	EF RCVR# 3	35-4803 FOR RECERT ANALYSIS. 11/30/09

30. VEOLIA ES TECHNICAL SOLUTIONS CERTIFICATION

 $\label{thm:constraint} \begin{tabular}{ll} \textbf{Veolia ES Technical Solutions. LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. \\ \end{tabular}$ 

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

METALS	Check o	TCLP Informa nly ONE for ead Use units: pp	ch cons	stituent	TCLP Data			e units	or perd	mg/l, mg/kg
	Less Than	TC Regulated Level	Equal or More	Waste No.	TCLP Actual	Less Than	Regu	nia Lis lated vel	Equal or More	Actual
Arsenic as As	<u>x</u>	5.0 mg/l_		D004			500	mg/l		
Barium às Ba	Х	100.0 mg/l		D005						
<u>Cadmium as Cd</u>	Х	1.0 mg/l		D006			100	mg/l		
Chromium tot Cr	Χ	5.0 mg/l		D007						
Lead as Pb	Χ	5.0 mg/l		D008			500	mg/l		
Mercury as Hg	X .	.2 mg/l		D009			20	mg/l		
<u>Selenium as Se</u>	X	1.0 mg/l		D010			100	mg/l		
Silver as Ag	Χ	5.0 mg/ <u>l</u>		D011	<del></del>					
Nickel as Ni					· 		134	mg/l		
Thallium as Tl							130	mg/l		
Chromium Hex							500	mg/]		
Antimony										
Beryllium										
Copper										
Vanadium										
Zinc										
									_	
							•			

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porter o statistical care constitution in the constitution of the

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

RGANICS	Check o	TCLP Informa nly ONE for e		nstituent	TCLP Data	TCA or TOTAL Use units: ppm, mg/l or
	Less Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l	
Benzene	X	0.5 mg/l		D018		
Carbon Tetrachloride	Х	0.5 mg/l		D019	· .	
Chlordane	Х	0.03 mg/l		D020	·	
Chlorobenzene	X	100.0 mg/l		D021		
Chloroform	X	6.0 mg/l		D022		
m-Cresol	Х	200 mg/l		D024		
o-Cresol	X	200.0 mg/7		D023		
p-Cresol	X	200.0 mg/l		D025		
Cresol	Х	200.0 mg/l		D026		
2,4-D	Х	10.0 mg/l		D016		
1,4 Dichlorobenzene	X	7.5 mg/l		D027		
1,2-Dichloroethane	X	0.5 mg/l		D028		
1,1-Dichloroethylene	X	0.7 mg/l		D029		
2,4-Dinitrotoluene	X	0.13 mg/l		D030		
Endrin_	X	02 mg/1		D012		
Heptachlor, & Hydroxide	X	0.008 mg/l		D031		
Hexachloro-1.3 Butadiene	X	0.5 mg/l		D033		
Hexachlorobenzene	Χ	0.13 mg/1		D032		
Hexachloroethane	X	3.0 mg/l		D034		
Lindane	X	0.4 mg/l	_	D013		
Methoxychlor	Х	10.0 mg/l		D014		
Methyl Ethyl Ketone	Х	200.0 mg/l		D035		
Nitrobenzene	X	2.0 mg/l		D036		
Pentachlorophenol	X	100.0 mg/l		D037		
Pyridine	Χ	5.0 mg/l		D038		
Tetrachloroethylene	X	0.7 mg/l		D039		
Toxaphene	X	0.5 mg/l		D015		
2.4.5-TP Silvex	Х	1.0 mg/l		D017		
Trichloroethylene	X	0.5 mg/l		D040		
2.4.5-Trichlorophenol	X	400.0 mg/l		D041		
2.4.6-Trichlorophenol	X	2.0 mg/l		D042		
Vinyl Chloride	X	0.2 mg/l	1 1	D043		

Profile # TWI CI5789

ATTACHMENT 1

 ${\tt USEPA\ WASTE\ CODE\ NUMBERS:\ Additional\ waste\ codes\ NOT\ included\ on\ page\ 1\ of\ the\ Waste\ Profile}$ 

F012 F019 F032 F034 F035 P093 P106 U051 U240 U279

ATTACHMENT 2

CHEMICAL COMPOSITION: Additional Constituents	constituents NOT included on page Range	e 1 of the Waste Profi Unit Description	le	
ARSENIC		to	_	
BARIUM		to		
CADMIUM		to		
LEAD		to		
ZINC		to		
CHROMIUM		to		
SILVER	·	to		
SODIUM		to		
COMMENTS		to		
METALS LISTED UNDER "INERT	INORGANIC SALTS" ARE	to		
PRESENT AS CATIONIC SPECIES		to		
PHENYLTHIOUREA		0 to 1	*	
UHC Constituent	Management Method			
Cyanides (Total)	<u>A</u>			
Cyanides (Amenable)	<u>A</u>			
<u>Arsenic</u>	<u>A</u>			
Cadmium	<u>A</u>			
Chromium (Total)	A			
<u>Lead</u>	<u>A</u>			
<u>Selenium</u>	<u>A</u>			
Silver	A			
Solvent Constituent	Management Method			

١	1 T	SCFL	LANEOUS	PROFIL	F	FIFI	กร
ï	11	JULL	LANKLUUJ	I NOLLE		1 4 5 5	$\nu J$

Selling Region Lab: MRL Master Profile No.: PTA-NC Sales Office : PTA Location Orig : PTA Profile Expires . : 12/28/11 Approved : 12/28/09 Signed Profile Present: Y Change Pending: N Waste Status: A Site (DCS) Status: Z REQ FOR DCS DOWNLOAD Prof. Tracking No: 5643969	
Fuels Approval:: Pumpable Liquid Exact: % OR Range: % Type of Pump: Additional Anticipated Vol: Per:Unit Code/Des:	
Handling Codes: 62 NBR GREEN GLOVES 64 SARANEX 0D TYPE C RESPIR CON PVC YELLOW OVR BOOT COVER	ENST FLOW
EPA Data: Status Code: C Tax Code:  Permit No: Expr. Date.: Volume:  Certificate of Destruction or Disposal Required ? Y Project # :  DOT Properties: Inhalation: 2 Dermal: 2 Oral: 2 Flammable: He	: <del>-</del> :
Percent Taxable: No. of Labels. ::  Tranship Dest .: Download Generator: 1034349  Material Class.: DCS Generator #: 5841034349  Treatment Codes: T07  Process Codes :: BLL Schedule Category : ILLB Schedule Interval : Listed Solvent Waste: Hal. Org. Compounds: RCRA Reactive Solvent Waste: Water Reactive Pesticide Mater Reactive Pesticide Mater Reactive Solvent Schedule Solvent Schedule Solvent Schedule Solvent Waster Concentration Boiling Poils Gas Ignitable? Corrosive to Steel or Aluminum Organical Family Name	MTG. Waste: _ : <del>_</del> int F
GENERATOR FROM PAGE 1 Business Name USEPA ID Ritn Contract in Pi BURLINGTON ENVIRONMENTAL INC WADO20257945 G _	lace at Expires on Evergreen Contract
ADDITIONAL BUSINESSES Business Name PHILIP SERVICES CORP WAD000812909	TWI 12/03/09 - 12/03/09 - 12/03/09 - 12/03/09 - 12/03/09 - 12/03/09 - 12/03/09 - 12/03/09 - 12/03/09
ADDITIONAL PROFILE COMMENTS Cat Comment Cat Comment CSR REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH CSR REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH CSR K/TWI BLL 12-3-09 AFS TWI CSR GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT CSR UNTIL FURTHER NOTICE. CSR UNTIL FURTHER NOTICE. CSR NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF CSR TRIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK CSR PETROCHEM CSR THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY CSR DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF CSR KENT WA. CSR CSR DELIVERY 12-2-02 - IF P-LISTED REJECT P LISTED CSR CUSTOMER CARRIE ALLEN. CSR CUSTOMER CARRIE ALLEN. CSR CSR due to restraints of sodium contents effect 6-1-01 CSR CSR tanker is done. See descrepancy. PSC CHARGE CODE: NS wt 2009  drayage price will be \$2,700.00 to cover the extensive heal pricing will based on case by case	MGR APPROVAL.****F039****  REVIEWED FOR PHASE II LDR  F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI  BILL SEATTLE SITE TO KENT WA. PER SALES MARC M.  SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00  CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A  PHILLIPS IS THE OWNER OF PHILLIPS. CYANAKEM AND  DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO  TO THIS PARTICULAR SHIPMENT \$1000.00  1021182. SEATTLE WA SHIPMENTS GETS BILLED TO  DELIVERY 4-22-02 REQUIRES TRIPLE RINSE  RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER  pe on file exp 12/31/05 Customer pays blh pricing  REF RECEIVER # 22-6983 FOR ANALYSIS-RCVD 12/2/02  generator request a water blast cleaning after  SHIPMENT RECEIVED ON NOV 19 2008 WILL CONTAIN  PRICING FOR NOV 19. 2008 LOAD IS \$0.24/LB  PE UNTIL 12-31-09  REVIEWED FOR MACT METALS  COST OF ANALYSIS OF THE PRICING FOR MACT METALS  COST OF ANY PINNING OF THE TALES  COST OF ANY PINNING OF THE TA
extensive heal pricing will based on case-by case PSC	<u>basis</u>

SUPPLEMENTAL FIELDS Field Value WSTTP B119

FRMCD TPCDI TWIAD 1 ME4IC VP0972E01 This section lists comments describing changes made to the profile.

Profile Change Comments	Date	User
MRL/BP3414 Entire profile copied to MRL/CI5789	1/19/98	WM0911TTT
/	1/19/98	WM0911TTT
TWI APPROVAL .	2/04/98	WM0911TTT
MRL/CI5789 Entire profile copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WM0911TTT
X	2/04/98	WM0911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	5/21/98	WM0911CAT
ADDED D005 AND D009 (LOW HG <260 PPM) PER MANIFEST RECEIPT AND LAN BAN	5/21/98 5/21/98	WM0911CAT WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	5/21/98	WM0911CAT
LHB/ Added Cyanokem- Philip location per Mike	7/30/98	WM0233LHB
Ulendorf of Philip in Renton, WA	7/30/98	WM0233LHB
MRL/CI5789 Core Profile Info copied to TWI/CI5789	1/26/99	WM0346RJL
PTA RECERT.	1/26/99	WM0346RJL
MRL/CI5789 Change Log copied to TWI/CI5789	1/26/99	WM0346RJL
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/28/99	WM0911KES
REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER	10/28/99	WM0911KES
NOTICE.	10/28/99	WM0911KES
MRL/CI5789 Change Log copied to TWI/CI5789	10/28/99	WM0911KES
ADDED 1009166 AS A GENERATOR	2/11/00	WM0233JLM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/12/01	WM0911KEM
UPDATED FOR TWI RECERT	2/11/00 3/12/01 3/12/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	3/12/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01	WM0911KEM
ADDED P093 PER CUSTOMER	3/12/01 10/31/01 10/31/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	10/31/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01	WM0911KEM
ADDED PHENYLTHIOUREA 0-1% PER CUSTOMER.	10/31/01 10/31/01 10/31/01 10/31/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	10/31/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/31/04 3/31/04	WM0911CAT WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	1/20/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	1/27/05	WM0911CAT
removed D009 per Cynthia Williams who got the ok	1/27/05	WM0911CAT
from the customer	1/27/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	1/27/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/17/05	WM0911CAT
ADDED U240,U279 PER CUSTOMER '	3/17/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	3/17/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	5/16/05	WM0911CAT
added F032, F034 per customer	5/16/05 5/16/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	5/16/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	5/23/05	WM0911CAT
added F035 per customer	5/23/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	5/23/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	8/12/05	WM0911KEM
ADDED U051 PER CUSTOMER  MD: /CLE780 Change Log copied to TUL /CLE780	8/12/05	WM0911KEM WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789 MRL/CI5789 Core Profile Info copied to TWI/CI5789	8/12/05 8/17/05	WM0911CAT
ADDED D014	8/17/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	8/17/05	WM0911CAT
REMOVED MICHIGAN CUSTOMERS CYANOKEM AND 1001966	8/17/05 8/17/05 4/02/08	WM0911SGH
NOT SHIPPING UNDER THIS PROFILE	4/02/08	WM0911SGH

# Schedule Categories

Profile # TWI CI5789

Category THB

Description Low BTU Bulk Liqui

Container

Tank Trucks

#### Pricing Comments

Disposal Price

- Need PE if off-gate, no min, or no approval fee

- \$2,060.00 minimum per tanker

- If T & D bundled 40,000 pound minimum applies. - Illinois Hazardous Fees: \$.03 per gallon or

\$6.06 per cubic yard. Transportation Price

- Load/Trip/Mile

- \$150 per day tanker rental. - Fuel surcharge will apply based on the U.S. Average Retail On-Highway Diesel Prices.

- Direct inject tankers may incur additional cost. - Cancelled loads require 48-hour notice or they

will be billed at the regular trip rate.

- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility.

Demurrage

\$85.00 an hour after 1 1/2 hours loading time.

Waste Approval Fees

- \$150 paperwork approvals (no analytical).

- \$500 analytical approval.

- Characterization & unknowns are priced upon request.

Pricing Conditions

- Energy & Security surcharge will apply. Tanker Rinseout & Heel Removal Fees:
- \$515.00 aqueous rinse (no solids) plus cost of solvent used.
- \$1,030.00 rinseout fee with <50 gallons of
- rinseable solids plus cost of solvent used. \$1.030.00 fee for "P" code triple rinseout plus cost of solvent used.
- \$1,030.00 minimum removal fee plus \$1.49 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids.
  50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated

on a case-by-case basis.

- A \$309.00 minimum disposal fee for drums per

- A \$309.00 minimum disposal fee for drums per profile number, per shipment.
   Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.
   Containers <55 gallons for liquids will be prorated per gallon with a \$XX.XX minimum.
   \$80.00 per drum for any overpacked material.
   Discrepant material will be surcharged on a

- case-by-case basis.

Page . . :

Time 12:52:25

Location of Original MIDWEST REGIONAL LAB

Tracking #: 5643969 Priority Generator and Facility Information Profile # : CI5789 Date Received: 12/12/09 Effective Date: 12/28/09 Generator : BURLINGTON ENVIRONMENTAL INC Decision Site TRADE WASTE INCINERATI Proposed Management Facility TRADE WASTE INCINERATI Waste Category Code: Description : CYANIDE MIXTURE SOLUTION \*\*\* This Decision is APPROVED II. Decision to Deny Approval for Management of Waste Reason for Denying Approval Final Approval \_\_\_\_\_\_ Name (print) \_ III. Decision to Approve a) Approved Management Methods Incineration Precaution Conditions or Limitations on Approval (1) Site Conditions (2) Contracting Conditions (3) Site and Contracting Conditions - Bulk liquids: Material which cannot be offloaded will be returned to the generator. - Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen. - A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed) - DOT approved containers. All shipments must be made using a manifest. c) Analytical Requirements for Each Load MANDATORY ANALYSIS PER WAP d) Decision Expiration Date 12/28/11 IV. Final Decision State any Additional Precautions, Conditions, or Limitations Final Approval Name (print) CAROLYN THIERFELDER Date 12/28/09

#### Veolia ES Technical Solutions, L.L.C

APPROVAL SUMMARY - TWICI5789

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PAGE 1 - 12/31/09

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TWI VEOLIA ES TECHNICAL SOLUTIONS H040 Incineration-thermal destruct. 001/911 - TRADE WASTE INCINERATION, INC. L.L.C., SAUGET, 7 MOBILE AVENUE, IL 62201 Original WIP 023926 Generator No. 546221 Generator BPA ID No. WAD020257945 Generator Name BURLINGTON ENVIRONMENTAL INC. Generator State No. 9530019999 Address 1701 ALEXANDER AVE. State Wastestream No. City TACOMA State WA Country US Zip 98421-4106 Form Code W219 Signature on File? Approval Date: 11/01/2007 Expiration Date: 12/28/2011 Next Sample Date: Recert WIP No: Recert Generator No. Recert Sent date: State Approval Code: State Exp: State Lim Qty: : MOU Temporary Hold: Restrictions: One Time Only: Nο No Waste Name: CYANIDE MIXTURE SOLUTION Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES DOT Shipping Names(s): UN3289, TOXIC LIQUID, CORROSIVE, INORGANIC, n.o.s. 6.1 UN2927, TOXIC LIQUIDS, CORROSIVE, ORGANIC, n.o.s. 6.1

RCRA: D002 D003 D004 D005 D006 D007 D008 D010 D011 D014 F001 F002 F003 F004 F005 F006 F007 F008 F011 F012 F009 F019 F032 F034 F035 P093 P106 U051 U240 U279

DOT Properties:

Inhalation: 2 - Moderate Dermal: 2 - Moderate Oral: 2 - Moderate

Flammable: - Health:

Physical and chemical properties Range From -To To Range From pН 12.5 - 14.0 Specific Gravity .8 1.4 VOC 0 0 왕 Flash Point 200 200 F Suspended Solids ٥ Settleable Solid 0 0 ક Dissolved Solids 0 0 Ash 0 0 Water Solubility 0 0 BTUs / Lb 2000 Free Liquid 95 - 100

Physical State: Liquid

Hazard Characteristics:

Used Oil: HOC ppm:
Color: Varies, Brown Intensity:

Odor: Description: Layers: Single Phase Cyanide:

Wiscosity: Cyanide: Cyanide: Sulfide: Benzene Concentration:

Top Layer Low (Water) Benzene NESHAP Controls Required?

Second Layer Add Benzene to Tab?

Bottom Layer Benzene NESHAP Cert Req Per Load?

.00

# Veolia ES Technical Solutions, L.L.C

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APPROVAL SUMMARY - TWICI5789

PAGE 2 - 12/31/09

HALOGENS	FROM	OT		FROM	TO	UOM
Br BROMINE		Max 0%	Beryllium	0	0	
C1 CHLORINE			Sodium	0	0	
F FLUORINE			Potassium	0	0	
I IODINE			Sulfur	0	0	
WASTE COMPONE	NT CHEMICA	LS:		FOM	HIGH	UOM
WATER				50.00	99.00	do
ARSENIC				.00	15.00	do
BARIUM (ELEMEN	NT)			.00	15.00	de
CHROMIUM				.00	15.00	do
LEAD				.00	15.00	o <sub>o</sub>
SODIUM				.00	15.00	cyo
CADMIUM (METAI	7)			.00	15.00	o <sub>f</sub> o
SILVER				.00	15.00	&
ZINC (ALL METALS LISTED, IE ARSENIC, BARIUM, ETC) ARE				.00	15.00	ģ
RESENT AS CATI	ONIC SPEC	IES.				
CYANIDE				.10	10.00	<b>ે</b>
PHENYLTHIOURE	Ą			.00	1.00	<b>ુ</b>
FLUORIDE				.00	.10	ક

#### PROCESS CODES:

BLL

PP	E REQUIREMENTS:	
R	CRESP	SUPPLIED AIR (TYPE "C" RESPIRATOR, CONSTANT FLOW)
B	нвоот	RUBBER YELLOW OVER BOOT (HEAVY RUBBER OVER BOOT)
Н	NBRGL	NBR GREEN GLOVES, MAPA AF- 1 8 (PIONEER)
Н	NITRL	N-DEX, BLUE NITRILE
В	SARAN	SARANEX, WHITE (TYVEK WITH SARANEX COATING)

# APPROVAL COMMENTS

#### Amendment

# PCBs Regulated by 40CFR

# CSR Comments (16)

- C REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH
- C MGR APPROVAL.\*\*\*\*F039\*\*\*\*
- C REVIEWED FOR PHASE II LDR
- C GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT
- C F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
- C UNTIL FURTHER NOTICE.
- C BILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
- C NOTE: P-LISTED MATERIAL CHECK WITH CUSTOMER IF
- C CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A
- C TRIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK
- C PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
- C PETROCHEM
- C due to restraints of sodium contents effect 6-1-01
- C USED PTA ANALYSIS FOR MACT METALS
- C generator request a water blast cleaning after

PAGE

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# Veolia ES Technical Solutions, L.L.C

15 00 / \$ - \$50.02 (\$000000000 ) 0.5 - \$50000 (0.00000000 - \$0000000 seed seed seed of the \$000 of the seed of the \$000 of the

APPROVAL SUMMARY - TWICI5789

AFFROVAL DOWNARI - TRICIS/03	FRGE 3 - 12/31/03
C tanker is done. See descrepancy.	
DOT Properties	
PPE Requirements	
General Comment	
Hold Related info	
Compatibility Group	
PSC Comments (9)	
L CHARGE CODE: NS	
L REVIEWED FOR MACT METALS	
L drayage price will be \$2,700.00 to cover the	
L cost of any rinsing of the tankers. If ther is an	
L extensive heal, pricing will based on case-by case	
L basis	
L K/KNT ADN INFO RECD AFS/TWI CW 12/14/2007	
L WT 2009	
L PE 12-31-09	
Decision Comment (3)	
M MANDATORY ANALYSIS PER WAP	
M REVEIWED BY KJD 11/01/07; APPROVED 11/1/07 CAK	
M RECERTED 12/28/09 CAK	
Approved Containers	
Other Information (5)	<u>.                                    </u>
O GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT	
O WASTE MUST CONTAIN SUFFICIENT ORGANIC CONTENT OR	
O CYANIDE FOR INCINERATION.	
O REF RCVR# 27-4748 FOR RECERT ANALYSIS, 6/24/05	
O REF RCVR# 35-4803 FOR RECERT ANALYSIS, 11/30/09	
Process Codes (1)	
P BLL	
Restricts/Limits/Precaut	
Special Handling (2)	
S CONTAINS CYANIDES - DO NOT MIX W/PH <6	
S CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD	
Sampling Waived	

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#### Veolia ES Technical Solutions, L.L.C

APPROVAL SUMMARY - TWICI5789

From the E. British Committee and the Committee of the Co

PAGE 4 - 12/31/09

#### GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is reperesentative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevent information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize sampling of any waste shipment for purposes of recertification.

NAME (PRINT OR TYPE)	PHONE	DATE
SIGNATURE	TITLE	

#### PACILITY NOTIFICATION

If approved for Management, Veolia ES has all the necessary permits and licenses for the waste that has been characterized and identified by this profile.

Report: R7008 DATE: 01/16/09 ONYX ENVIRONMENTAL SERVICESPENCEX L WASTE PROFILE SUMMARY

O TOTAL CONTROL OF THE STATE OF

TWI-CI5789

SELLING REGION LAB - MRL

BUSINESS: BURLINGTON ENVIRONMENTAL INC

ADDRESS 1: 1701 ALEXANDER AVE

ADDRESS 2:

CITY/ST..: TACOMA

WA 98421-4106

CONTACT. :

WASTE NAME: CYANIDE MIXTURE SOLUTION

PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S

ADDL. DESC: (CYANIDE, ARSENIC)

NUMBER..... 103-4-349

EXPIRES.....: 12/03/09

STATUS..... APPR FOR SERV

FEDERAL EPA ID: WAD020257945 STATE EPA ID..: 9530019999

EPA STATUS....: CHK RESTRICT

PHONE....:

SALES OFFICE..: PTA

15 %

MIN - MAX UNIT DESCRIPTION CHEMICAL COMPOSITION CYANIDE 0.1 10 % WATER 99 % 50 WI.HORIDE 0 0.1% NON-TRI CHEMICALS 0 25 % ORGANICS, REGULATED AND NON - REGULATED.

INERT INORGANIC SALTS

ARSENIC RARTIIM

> CADMIUM LEAD

ZINC CHROMIUM

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

TCA OR TOTAL PHYSICAL CHARACTERISTICS METALS Nickel as Ni < 200 Physical State...: Liquid ppmThallium as T1 < 200 ppm Flash Point....: > = 200 CLArsenic as As < 200 ppm pH..... 12.5 - 14.0 Color..... BROWN TO VARIES Barium as Ba < 200 ppm Cadmium as Cd < 200 ppm Odor..... NONE Chromium tot Cr < 200 Layers..... Single Layer ppm Lead as Pb < 100 Specific Gravity.: 0.800 - 1.400 ppm Mercury as Hg < 0.1 ppmFree Liquids....: 95 - 100 0.1 To 10.0 % TOTAL Silver as Ag < 200 ppm Cyanides....: Antimony < 200 ppm Sulfides....: < 3 PPM TOTAL Beryllium < 200 ppmPCB's..... N/A ppm, Regulated by 40 CFR 761: Potassium < 2000 Phenolics....: < 10 mqq Sodium 57800 ppm % Taxable....: DOT UN/NA NBR: UN2927 Vanadium < 200 Treatment Codes..: T07 ppm Selenium as Se < 100 mg/l CRQ RPT QTY..... 1 Material Class: Chromium Hex < 500 mg/l EPA Permit....: EXP: Hazard Class....: 6.1 State Codes....: 090001 Benzene ....: NESHAP: Packing Group...: II Process Codes....: BLL

Cert of Dstrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES

N-DEX INNER GLOVE

SARANEX

TYPE C RESPIR CONST FLOW PVC YELLOW OVR BOOT COVER

CONTAINS CYANIDES - DO NOT MIX W/PH <6

CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Oral: 2 Flammable: 0

Health: 0

SUMMARY

Waste Type B119

Form Code

COMMENTS

SHIPMENT RECEIVED ON NOV 19 2008 WILL CONTAIN 50% OIL BTU WILL BE >2000, OK TO ACCEPT ONE TIME

PRICING FOR NOV 19, 2008 LOAD IS \$0.24/LB CHARGE CODE: NS

PE UNTIL 12-31-09

wt 2009

REVIEWED FOR MACT METALS drayage price will be \$2,700.00 to cover the

cost of any Neinsing 0972 the tankers. If ther is an extensive age 7501412 will based on case-by Veola ES Technical Services Sauget, Illinois

NEIC VP0972E01

Report: R7008 DATE: 01/16/09 PROFILE: CI5789 ONYX ENVIRONMENTAL SERVICEBOCHIGE L
WASTE PROFILE SUMMARY ADDENDUM

Version 01.00 APENDIX PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER SODIUM COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE

PRESENT AS CATIONIC SPECIES.

PHENYLTHIOUREA

0 1 %

COMMENTS

Not included on Waste Profile Summary Report

basis

TRACTING 1: 5624205 PRIDEITY: 97

PROFILE 1: C15789 DATE RECD: 11/01/07 GENERATOR: BUKLINGTON ENVIRONMENTAL INC

WASTE CATEGORY CODE:

DESCRIPT: CYANIDE MIXTURE SOLUTION

PHYSICAL	DESCRIPTION	WORKSHEET
Receiver	#	
Pacaivad	Dato	

DRUM #	SIZE/TYPE	O/P	COLOR/DESCRIPTION	% FULL	% SOLID	%riQuiD
1						
2						
3						
4	-					
5						· .
6						· ·
7						
8		=				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

TECHNICIAN SIGNATURE \_\_\_\_\_\_\_ DATE \_\_\_\_\_\_\_

LOCATION \_\_\_\_\_ COMMENTS \_\_\_\_\_\_

Net Weight \_\_\_\_\_\_

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Veolia ES Technical Services Sauget, Illinois

PRACKING 1: 5634205 PRIORI	TY: 97				TW	ŤΥ.ΑΙ	RAR	ATORY	ልእፕል	rv	יו פזפ	ימטממס	т
	ECD: 11/01/0	27	-				_				,		
ENERATOR: BURLINGTOD ENVIR	ONMENTAL IN	<del>-</del>		PRO	OCESS	CODE_	B	LL	PROF	ILE#_	<u>(:</u>	578	1
WASTE CATEGORY CODE:	4.7 50m f c.17							REQUIRED					
DESCRIPT: CYANIDE MIZTURE S	020118B			<b>X</b>	DIO	CIN PRI	ECUR	S AS SPECI	YSIS F	EOUI	RED		
				. (*)	) VISU	IAL IN	SPECT	TION ONLY	•	5%	10	00%	
				· ;	) VISC ) INSP	ECT O	UTER	TION: GLA	IYEB(	O NO	DODE TOPE	D FEEDER	SELOŽI
· . ·				Ò	REC	EIVING	: VER	UFY ORIGI	NAL C	UZMC	MER	LABEL AL	ND
RECEIVER#:	٠.	•						ifo on PD' E requiri					
MANUFEST#:		<del>-</del> · .				PLE R							٠.
Na. DRUMS:		-			As A	665		DDINGS	TOD 6	CE C	· ·	ATABILI	
		<del>-</del> .											LY .
DATE:					.Be_2		-	Profiled	DOTH	azard (	Ziass		
SAMPLER SIGN.				_	Cd_Cr_7	6470	- '		P=PA	zz .	F=FA	III,	٠.
SAMPLE NUMBER	r		1		Hg		-	8A	. 8	В		4/5	
Drum No.		<del>_</del>	1		Pb_1		-						
			-	٠.			-			<u>.                                    </u>		·	
Free Liquid (%)			1		Ash_	1.48	_	PROFI	LE	CONF	2MS	DATE	INIT
Pumpable	ZES	: NO								YES	МО	•	
Layers/Phases -% Ea.	1	<u>:</u> %	2	<u>%</u> _	3_		<u>"</u>						
Color	·	<u> </u>			1	<u>.</u>							
Turbidity	N/A TosP			PILO	N/A	TP T	LO	<b></b>					
Viscosity Physical State	N/A L Lig Solid	M H Sludge Semi-sld	N/A L	Slg Ss				OM H	N/A			· · ·	
Water Miscibility		Hosts Sinks Emils		F <sub>z</sub> -S <sub>z</sub> .E									·
Add Description:	puso Tan			15-4 . L		<u> </u>	<u> </u>	[ <u>600008866005</u>		<u> </u>	*****		
Water Reactivity	(.) NOR	.XX	( )RX	IN:	·, · .	<del>,</del>		[-55-55555555					-
Radiation Screen	( ) =BK(			SKG:		•		≃BK(	<u> </u>		· cor		
Flam. Pot. Screen	( ) Neg			s · (··)I	30C		<del></del>	See Flash	~··			,	
pH Screen		100% ( ) 10%	;					2 2-12.5					
Oxidizer Screen	() Neg		( )Pos		· .						***		
Paint Filter Test	( ) Pass				-Fail	(· )N				*****			
Cyanide Screen	() Neg		( )Po:			( )N							
Sulfide Screen	() Neg		( )Po			( )N	<u>/A</u>				****		
Incidental odor	( ) No		( ) Ye	es:		·							
Specific Gravity								~1					
BTU/LB		•		<del></del>				23000					
% Choride Flash Point deg. F		· · · · · · · · · · · · · · · · · · ·						25	5				
						<del></del>		<73 <140 >140 <10 <10 <10 <10 <10 <10 <10 <10 <10 <1					
PCBs By GC mg/kg PCBs-Screen ppm			·					<50pp		$\vdash$			
2.4.5-T/Silvex ppm				,				<50рр	111 2000		3333		
PCP Screen ppm	<del>:</del> .	, ( )KIT	( )GC	<del></del>							****		
pH by Meter		( )100%		10%									
( ) PCB waived. Does not meet	PCB suspect or			6-24-	05		•			<b>E</b>	انتشتنا	I	
ACCEPT / REJECT:	•					( '	) NE	w prófil	E#				
Analytical Comments:	() Reference	Tracking#/Sam	- Inchia	27 -47	. •	for an	alysis		. —				
(6) Dioxin Procursor analysis	results below s	site action levels	No X	additional:	analysi	requin	od (	) Run on cac	peol q	_			
( ) Analysis supplied by general Add. Comments of Men	rator - Sec Tec	in Manager File.	( )PCE	s analysis t	io be de	termine	d upo	o visual insp	ection o	f wast	Ċ		
				(1)	<u> </u>			דאו אוו		•			<del></del>
PROFILE REVIEW FOR APPE PROFILE & HANDLI				ter Reactive	· · ·		TE:	nioisture	-				•
(X) Contains Cyanides - DO I									Na Cert				
( ) Poison Inhalation Hazard						Comm							

This report has been prepared for the exclusive use and benefit of Waste Mgmt. No representation concerning sample validity or analytical accuracy or completeness is hereby made to any other person receiving this report. This sample was collected according to applicable SW-846 procedures.

FPFM998,XLS KS.

#### CONFIRMATION LETTER

January 19, 2009

NICK DELEON PHILIP SERVICES CORP 734 S LUCILE ST SEATTLE, WA 98108-2631

Re: Confirmation Number

5634205

Attention: NICK DELEON

We are pleased to confirm Veolia's approval of your waste material as described below. The attached profile for the waste materials was prepared by Veolia based upon information provided by you. It is important that no changes be made to the profile without Veolia's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

Veolia Profile Number:

CI5789 TWI

Approved Mgmt. Facility:

TRADE WASTE INCINERATION

or another Veolia or Veolia approved facility

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Disposal Price:

-\$0.23 per pound, \$2,000.00 minimum per shipment

-applies.

- Illinois Hazardous Fees: \$.03 per gallon or

\$6.06 per cubic yard.

Transportation Price:

- N/A Customer to provide

- Direct inject tankers may incur additional cost.

Waste Approval Fees:

- Recert, no charge

- Characterization & unknowns are priced upon

request.

**Pricing Conditions:** 

- Tanker Rinseout & Heel Removal Fees:

- \$536 aqueous rinseout fee (no solids) plus

cost of solvent used.

- \$1,071 rinseout fee with < 50 gallons of rinseable solids plus cost of solvent used.

- \$1,071 fee for "P" code triple rinseout plus

cost of solvent used.

- \$1,071 minimun tanker entry fee plus \$1.55 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon

minimum disposal charge applies.

January 19, 2009

Re: Confirmation Number

5634205

- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.

Profile Expiration Date:

12/03/09

**Special Conditions:** 

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using a manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Payment terms shall be in accordance with the payment terms on our invoice. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by Veolia upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Sandy Hurley
Sandy Hurley

NICK DELEON
PHILIP SERVICES CORP

Veolia ES Technical Solutions, LLC

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# Veolia ES Tech Apple Reix L Solutions, LLC GENERATOR'S WASTE PROFILE SHEET

Profile # TWI C15789

(_; 	) Check here if this is a Recertification LOCATIO	ON OF ORIGINAL <u>CWM, INC</u>	PORT ARTHUR	
	NERAL INFORMATION Generator Name: <u>BURLINGTON ENVIRONMENTAL INC</u>	Generator USEPA ID:	WAD020257945	
2.	Generator Address: 1701 ALEXANDER AVE	Billing Address:	PHILIP SERVICES	S CORP
		(_) Same	734 S LUCILE S	<u>.                                    </u>
	TACOMA WA 98421-4106			
3.	Technical Contact/Phone:		SEATTLE	WA 98108-2631
	Alternate Contact/Phone:		•	
PRC 5.	OPERTIES AND COMPOSITION Process Generating Waste: CYANIDE CONSOLIDATION FROM O	OUTSIDE SOURCES		
	Waste Name: CYANIDE MIXTURE SOLUTION			
7А. В.	. Is this a USEPA hazardous waste (40 CFR Part 261)? . Identify ALL USEPA listed and characteristic waste c	Yes $(\underline{X})$ No $(\underline{)}$ ode numbers $(\overline{D},F,K,P,U)$ : $\underline{D}$	002 D003 D004 D0	005 D006 D007 D008 D010 D011
	<u>0014 F001 F002 F003 F004 F005 F006 F007 F008 F009 F0</u>	11 See attachment 1 S	tate Waste Codes	s: <u>090001</u>
8.	Physical State @ 70F: A. Solid(_) Liquid( $\underline{X}$ ) Both(_) Ga	s(_) B. Single Layer (X) M	ultilayer (_) C.	. Free liq. range <u>95</u> to <u>100</u> %
9A.	. pH: Range <u>12.5 to 14.0</u> or Not applicable (_) B. St	rong Odor (_);describe		
10	Liquid Flash Point: < 73F ( ) 73-99F ( ) 100-139F (	) 140-199F ( ) >= 200F (	X) NA () C	losed Cun (X) Onen Cun ( )
	. CHEMICAL COMPOSITION: List ALL constituents (incl. h	· <del></del>		· - · -
11.	Constituents		nge Unit D	
	CYANIDE		0 10 %	
	WATER	50 t	o 99 <b>%</b>	
	FLUORIDE	0 t	0 0.1 %	
	NON-TRI CHEMICALS	0 t	0 25 %	
	ORGANICS, REGULATED AND NON - REGULATED.	t	0	
	INERT INORGANIC SALTS TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):	<u>0 t</u>	0 15 <b>%</b> 150.100000	See attach2
12.	OTHER: PCBs if yes, concentration N pp Radioactive (_) Benzene if yes, concentration Carcinogen (_) Infectious (_) Other		R 761 (_). Pyrc HAP (_) Shock Se	ophoric (_) Explosive (_) ensitive (_) Oxidizer (_)
13.	. If waste subject to the land ban & meets treatment st	andards, check here: _ & s	upply analytical	results where applicable.
SHI 14.	IPPING INFORMATION . PACKAGING: Bulk Solid (_) Bulk Liquid (X) Drum (_)	Type/Size: <u>TANK</u>	Other _	
15.	. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS	Shipping	Frequency: WEEK	
SAM 16a	MPLING INFORMATION a. Sample source (drum, lagoon, pond, tank, vat, etc.):		Samp	ole Tracking Number: <u>5634205</u>
	Date Sampled: Sampler's Name/Company:			
16b	o. Generator's Agent Supervising Sampling:			
I h thi rel	NERATOR'S CERTIFICATION nereby certify that all information submitted in this and its submitted in the submitted is representative as defile and information regarding known or suspected hazards allowed by the submitted is representative as defile and in a sample from any blia ES Technical Solutions to obtain a sample from any	ined in 40 CFR 261 - Appendin the possession of the	dix I or by usin generator has be	ng an equivalent method. All een disclosed. I authorize

JOHN S. MAIER

OPERATION MANAGER

4/10/95

18. This is a Nonwastewater.

		to any California	list	restrictions	enter 1	the 1	letter	from below	(either	A or	B.1)	next	to
each restriction	that is												
		HOCs,	PCB:	s, Acid,	Meta	als.	C	yanides					

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

	A. US EPA HAZARDOUS	B. SUBCATEGORY Enter the subcategory descriptio	n.			ICABLE TREATMENT STANDARDS	D. HOW MUST THE WASTE BE MANAGED? Enter letter from below	
REF #	WASTE CODE(S)	simply check none		PERFORM BASE Check as a	ED: applicable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) 268.42		
1	D002	Non-CWA, Non-Class 1 managed corrosive char. wastes	OITE	200. 11(0)	200.10(4)	DEACT	Α	
2	D003	REACTIVE CYANIDES					A	
3	D004		Χ				Α	
4	D005		χ				А	
5	D006		Χ				A	
6	D007		Χ				A	
7	D008		Χ				A	
8	D010		Χ				A	
9	D011		Χ				A	
10	D014	Non CWA					A	
11	F001		χ			INCIN	Α	
12	F002		— Х			INCIN	A	
13	F003		Χ			INCIN	A	
14	F004		Χ			INCIN	A	
15	F005		Χ			INCIN	Α	
16	F006		Х				A	
17	F007		Х				A	
18	F008		Χ				A	
19	F009		X				A	
20	F011		Χ				A	
21	F012		Χ				A	
22	F019		Х				Α	
23	F032		Χ				A	
24	F034		Χ				Α	
25	F035		Χ				A	
26	P093		Χ			INCIN	Α	
27	P106		Χ				A	
28	U051		Χ	Х	Х		A	
29	U240		Χ				A	
30			Χ				A	

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Veolia ES Technical Services Sauget, Illinois

20. USEPA hazardous waste numbers (continued):

117 Pro comprese and the factor of the continuous conti

REF	A. US EPA HAZARDOUS WASTE CODE(S)	B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none	PERFORMANCE- BASED: Check as applicable	table 1 treatment code(s)	D. HOW MUST THE WASTE BE MANAGED?  Enter letter from below
		DESCRIPTION NONE	268.41(a) 268.43(a)	268.42	

Management under the land disposal restrictions: A. RESTRICTED WASTE REQUIRES TREATMENT

- B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS
- B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
- B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD
- B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD
- C. RESTRICTED WASTE SUBJECT TO A VARIANCE
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
- E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS
- Yes, Soil: \_ 21. Is this waste a soil or debris?
- 22 Specific Gravity Range: 800 to 1 400

22.	Specific dravity Range			
23.	Indicate the range of each:	Units		
	Cyanides: $\underline{}$ 0.1 to $\underline{}$ 10.0	<u>*</u>	Type (free, total, amenable, etc.)	TOTAL
	Cyanides: None to		Type (free, total, amenable, etc.)	
	Sulfides: < 3 to	PPM	Туре	TOTAL
	Optional Phenolics: < 10 to	<u>PPM</u>		
24.	Identify the waste color BROWN TO VARIES	C	OOT physical state <u>Liquid</u>	

and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

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INSTRUMENT SAMES, EPAKARITIES I MATALLAMANGULSAMANG LILAGERALD SILIKERALDI SILIKERA

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION		26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available)
TOTAL		RANGE
Beryllium as Be < 5000	_ ppm	A. Heat Value (Btu/lb):12000
Potassium as K	_ ppm	B. Water:
Sodium as Na88000	_ ppm	C. Viscosity (cps):@F _ 100 F _ 150 F
Bromine as Br < 5	_ %	D. Ash: %
Chlorine as Cl < 5	_ %	E. Settleable solids: %
Fluorine as F < 5	_ %	F. Vapor Pressure @ STP (mm/Hg):
Sulfur as S < 5	_ %	G. Is this waste a pumpable liquid? Yes $\underline{X}$ No $\underline{\hspace{0.2cm}}$
		H. Can this waste be heated to improve flow? Yes $\_$ No $\underline{X}$
		I. Is this waste soluble in water? Yes $\underline{X}$ No $\underline{\hspace{1cm}}$
		J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes $\underline{X}$ No _
27. TRANSPORTATION INFORMATION		
A. Is this a DOT Hazardous Material? Yes $\underline{X}$ No $\underline{\ }$		
B. Proper Shipping Name : <u>WASTE TOX</u>	IC LIQUI	IDS, CORROSIVE, ORGANIC, N.O.S
and Additional Description if required: (CYANIDE.	ARSENIC	<u> </u>
<u>RQ(D004)</u>		
C. DOT Regulations: <u>United Nations</u> Hazard Class: <u>6</u>	.1 Pois	sonous materials I.D. <u>UN2927</u> Packing Group: <u>II</u>
D. CERCLA Reportable Quantity (RQ) and units (Lb. $Kg$ )	:1	Lb
E. Non-Bulk code 202 Bulk code 243		
F. Special Provisions <u>T42</u>		
G. Labels Required POISON OR TOXIC CORROSI	VE	
28. SPECIAL HANDLING INFORMATION		
CONTAINS CYANIDES - DO NOT MIX W/PH <6		
CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD		
·		
<del></del>		
_ Material Safety Data Sheets Attached		
29. OTHER INFORMATION		
GENERATOR WILL PROVIDE .UHC'S WITH EACH SHIPMENT WAS	TE MUST	CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION. REF	RCVR# 2	27-4748 FOR RECERT ANALYSIS. 6/24/05

30. VEOLIA ES TECHNICAL SOLUTIONS CERTIFICATION

 $\label{thm:constraint} \begin{tabular}{ll} Veolia ES Technical Solutions. LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. \\ \end{tabular}$ 

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

AND NOTES OF THE SECOND RESERVED FOR THE SECOND RESERV

METALS	Check o	TCLP Informa nly ONE for ea Use units: pp	ch cons m, mg/	stituent	TCLP Data		TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent California List					
	Less Than	TC Regulated Level	Equal or More	Waste No.	TCLP Actual	Less Than	Regu	nia Lis lated vel	Equal or More	Actual		
Arsenic as As	_	5.0 mg/l	Х	D004			500	mg/l		<200	ppm	
Barium as Ba		100.0 mg/l	Х	D005	_ <del>_</del>					<200	ppm	
<u>Cadmium as</u> Cd		1.0 mg/l	Χ	D006			100	mg/l		<200	ррт	
Chromium tot Cr		5.0 mg/1	Χ	D007						<200	ррт	
Lead as Pb	_	5.0 mg/l	X	D008			500	mg/l		<100	ррт	
Mercury as Hg	Х	2 mg/1		D009			20	mg/l		<0.1	ppm	
Selenium as Se	Х	1.0 mg/l		D010		X	100	mg/1				
Silver as Ag		5.0 mg/1	Х	D011				_		<200	ррт	
Nickel as Ni							134	mg/l		<200	ppm	
Thallium as Tl						Х	130	mg/l		<200	ppm	
Chromium Hex						X	500	mg/l				
<u>Antimony</u>							_			<200	ppm	
Beryllium_										<200	ppm	
Copper								_				
Vanadium										<200	ppm	
Zinc												
Potassium								_		<2000	ppm	
Sodium										57800	ppm	
				_								

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

DRGANICS	Check o	TCLP Informa only ONE for e		nstituent	TCLP Data	TCA or TOTAL Use units: ppm, mg/l or %		
	Less Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l			
Benzene	Х	0.5 mg/l		D018				
Carbon Tetrachloride	Х	0.5 mg/1		D019				
Chlordane	Х	0.03 mg/1		D020				
Chlorobenzene	Х	100.0 mg/l		D021				
Chloroform	X	6.0 mg/l		D022				
m-Cresol	Х	200 mg/l		D024				
o-Cresol	Х	200.0 mg/l		D023				
p-Cresol	Х	200.0 mg/1		D025		_		
Cresol	X	200.0 mg/1		D026				
2.4-D	X	10.0 mg/l		D0 <u>16</u>				
1.4 Dichlorobenzene	X	7.5 mg/l		D027				
1.2-Dichloroethane	Х	0.5 mg/l		D028				
1.1-Dichloroethylene	Х	0.7 mg/1		D029				
2.4-Dinitrotoluene	Х	0.13 mg/l		D030				
Endrin	X	.02 mg/1		D012		·		
Heptachlor, & Hydroxide	X	0.008 mg/1		D031				
Hexachloro-1,3 Butadiene	Х	0.5 mg/l		D033				
Hexachlorobenzene	Х	0.13 mg/l		D032				
Hexachloroethane	X	3.0 mg/l		D034				
Lindane	Х	0.4 mg/l		D013				
Methoxychlor	X	10.0 mg/7		D014				
Methyl Ethyl Ketone	X	200.0 mg/l		D035				
Nitrobenzene	X	2.0 mg/1		D036				
Pentachlorophenol	X	100.0 mg/l		D037				
Pyridine	X	5.0 mg/l		D038				
Tetrachloroethylene	Х	0.7 mg/l		D039				
Toxaphene	X	0.5 mg/l		D015				
2,4,5-TP Silvex	X	1.0 mg/l		D017				
Trichloroethylene	X	0.5 mg/l		D040				
2,4.5-Trichlorophenol	X	400.0 mg/l		D041				
2.4,6-Trichlorophenol	X	2.0 mg/l		0042				
Vinyl Chloride	X	0.2 mg/l		D043				

TITLE : Mary Filit motivate Land temperature of the community of the commu

Date Printed 01/19/09

Profile # TWI CI5789

ATTACHMENT 1

USEPA WASTE CODE NUMBERS: Additional waste codes NOT included on page 1 of the Waste Profile

F012 F019 F032 F034 F035 P093 P106 U051 U240 U279

ATTACHMENT 2				
CHEMICAL COMPOSITION: Addition Constituents	al constituents NOT included on p Rang	age 1 of the Waste P e Unit Descrip	rofile tion	
ARSENIC		to		
BARIUM		to		
CADMIUM		to		
LEAD		to		
ZINC		to		
CHROMIUM		to		
SILVER		to		
SODIUM		to		
COMMENTS		to		
METALS LISTED UNDER "INERT INORGANIC SALTS" ARE		to	<u> </u>	
PRESENT AS CATIONIC SPECI	ES	to		_
PHENYLTHIOUREA		0 to	1 %	
UHC Constituent	Management Method			
Cyanides (Total)	<u>A</u>			
Cyanides (Amenable)	<u>A</u>			
Arsenic	<u>A</u> _			
Cadmium	<u>A_</u> _			
Chromium (Total)	<u>A</u>			
Lead	<u>A</u>			
Selenium	<u>A_</u>			
Silver	A			
Solvent Constituent	Management Method			

1/19	/09	LAND DISPOSAL NOTIFICA	ATION AND CERTIFICATION FORM (PHASE :	II)	<u>TWI-CI5789</u>
Gener	rator Name:	BURLINGTON ENVIRONMENTAL INC	Manifest Doc. No.:		
	ile Number:	<u>CI5789</u>	State Manifest No:		
3. Ide coc Ca the	this waste a this waste is the restriction HOCS with the light of the	LBS. ACIO. MELAIS. 2 EPA hazardous waste codes that ap the corresponding subcategory, or treatment standards are listed or nts must be listed and attached by and meet 268 48 standards then th	te 40 CFR 268.2) Check ONE: Nonwast restrictions enter the letter from be unides oly to this waste shipment, as define check NONE if the waste code has no the following page. If F039, mult the generator. If D001-D043 require we underlying hazardous constituent(s	tewater X Wastewai elow (either A. B. ed by 40 CFR 261. subcategory. Spe i-source leachate es treatment of th s) present in the	ter .1, or B.2) next to For each waste ent solvent and applies e waste
ilius	bt be iisteu i	and attached.			
REF	4. US EPA HAZARDOUS WASTE CODE(S)		5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE	=	6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER
#	CODE(3)	Non-CWA, Non-Class I managed	DESCRIPTION	NON	NE FROM BELOW
_1	D002	corrosive char. wastes			A
_ 2	D003	REACTIVE CYANIDES			A
3	D004			X	A
4	D005 dentify F039	or DDD1-DD43 underlying hazardous	constituent(s) use the "FN39/Under	Tvina X	A
Haza If r	ardous Constit no UHCs are pr ist additiona check here:	cuent Form" provided (ONYX-2004) a resent in the waste upon its init al_USEPA waste code(s) and subcate	constituent(s), use the "F039/Under nd check here: X al generation check here: gorie(s), use the supplemental sheet	provided (ONYX-2	2005-B):
Disc	osal facility	/ Monitors for all UHCs check here managed in a system regulated und	er the CWA, or a Class 1 injection w	vell under the SDW	VA check here
A. RE Tr	STRICTED WAST	TE REQUIRES TREATMENT t be treated to the applicable tre	ter the letter (A. B1, B2, B3, B4, C sposal regulations (40 CFR 268.7). ppropriate certification as provided ons different from the 40 CFR citati be deemed to refer to those state of atment standards set forth in 40 CFR		
Se For	ection 3004(d) Hazardous De	ebris: "This hazardous debris is s	ubject to the alternative treatment	standards of 40 C	CFR Part 268.45."
at in ta pr	certify underion of the transfer of the transf	er penaity of law that I have perseatment process used to support to the perform that in 40 CFR 268.32 or RCRA ware that there are significant perseated.	onally examined and am familiar with his certification and that, based up mation, I believe that the treatment ance levels specified in 40 CFR part Section 3004(d) without impermissibly nalties for submitting a false certi	n the treatment te oon my inquiry of process has beer 268 Subpart D ar le dilution of the afication includi	echnology and oper- those individuals noperated and main- nd all applicable e prohibited ing the nossibility
3.2 RE	STRICTED WAST	TESTIMENT. TES FOR WHICH THE TREATMENT STANDA	RD IS EXPRESSED AS A SPECIFIED TECHN	NOLOGY (AND THE WA	ASTE HAS BEEN
I ar	certity unde am aware that d imprisonmer	er penalty of the law that the was there are significant penalties pt."	te has been treated in accordance wi for submitting a false certification	th the requiremen a, including the p	nts of 40 CFR 268.42. Dossibility of fine
3.3 GC "I of im cc ur su	DDD FAITH ANAL certify under the treatmer mediately respected by incident of the constitution of the constitution constitution in facility of the constitution co	YTICAL CERTIFICATION FOR INCINERA- Prepalty of law that I have pers to process used to support this co- ponsible for obtaining this infor- peration in units operated in acc uel substitution units operating to the nonwastewater organic const tts. I am aware that there are sig-	TED ORGANICS on all am familiar with rtification and that, based upon my mation. I believe that the nonwastew ordance with 40 CFR Part 264 Subpart in accordance with applicable technituents despite having used best goo nificant penalties for submitting a ERLYING HAZARDOUS CONSTITUENTS as been treated in accordance with tendal to the submitting a secondance with the submitting a submitting a secondance with the submitting a secondance with the submitting a	n the treatment te inquiry of those water organic cons ; O or Part 265 Su cal requirements, od faith efforts t false certificati	echnology and operation individuals stituents have been ubpart O, or by and I have been so analyze for on, including
3.4 DE "I 26 th	ne possibility CHARACTERIZEL certify under 8.49, to remonerat require functions at require functions  consistency a factorial formula	y of fine and imprisonment."  WASTE REQUIRES TREATMENT FOR UND  Proper penalty of law that the waste have the hazardous characteristic.  Purther treatment to meet treatment  Place certification including the	ERLYING HAZARDOUS CONSTITUENTS as been treated in accordance with t This decharacterized waste contains standards. I am aware that there a possibility of fine and imprisonment	the requirements of underlying hazar are significant pe	of 40 CFR 268.40 or dous constituents enalties for
The For	is waste is s fective date Hazardous De	E SUBJECT TO A VARIANCE subject to a national capacity var of prohibition in column 6 above.	iance, a treatability variance, or a	case-by-case ext standards of 40 C	ension. Enter the CFR Part 268.45."
11010	DJ CCI GIIJ GI	E CAN BE LAND DISPOSED WITHOUT FE ned that this waste meets all app prohibition levels set forth in Section of the second treatment. A copy of all applica- the treatment, storage and disposa- we examined and am familiar with apport this certification that the and all applicable prohibitions second all applicable prohibitions second submitting false certifications, in JRRENTLY SUBJECT TO PART 268 RESTR anewly identified waste that is real and information submitted in the	ERLYING HAZARDOUS CONSTITUENTS as been treated in accordance with to This decharacterized waste contains standards. I am aware that there a possibility of fine and imprisonment iance, a treatability variance, or a subject to the alternative treatment RIHER TREATMENT licable treatment standards set fort ection 268.32 or RCRA Section 3004(dable treatment standards and specifil facility named above." "I certify the waste through analysis and testimaste complies with the treatment standards and testimaste complies with the treatment standards. I am aware notuding the possibility of a fine a ICTIONS ot currently subject to any 40 CFR Phis and all associated documents is	th in 40 CFR Part 1), and therefore, ed treatment method under penalty of mg or through kmc standards specification 3004(d). I e that there are sind imprisonment."  Part 268 restricticomplete and accumulation and accumulation and accumulation and accumulation and the second accumulation accumulation and the second accumulation accumulation and the second accumulation accum	268 Subpart D. and can be land disposed lods is law that law that law that law the law that l
Signat	•		e utio <del>ns: LLC - 09799 - Form ONYX-20</del> 05	Date	
		1999 Veolia ES Technical Sol	utions, LEC - 09/99 - Form 0NYX-2005	o-A	

## LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE II)-REVERSE SIDE

#### SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

ESTANOLI ARLEE TIERESTA CAS SAAANAAN AAN

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, and/or this hazardous waste is subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)), then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

CONSCIONCINGO, MASO ALSO DE ACO		TO TAKE A CITY			
	SOLVENT WASTE TREATMENT STANDARDS				
	00272111 1111012 1112111121	11 011 1101 1100			
FUUL through FUU5 spent sol-		F001 through F005 spent sol-			
			-		
vent constituents and their	Treatment Standard	vent constituents and their	l Treatment Standard		
associated USEPA hazardous	11.000				
		associated USEPA hazardous			
waste code(s).	Wastewaters Nonwastewaters	waste code(s).	Wastewaters   Nonwastewaters		
waste coucls).	Mastewaters   Normastewaters	waste code(s).	Wastewaters   Norwastewaters		

All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nowastewater are mg/kg.

A waste restrict	must first be designated as a U	DARDS40CFR 268.32,40 CFR 268.42 and RCR/ S EPA Hazardous waste before the waste car	A Section 3004(d) n be subject to the California List
Res	tricted waste description	Prohibition	Treatment Standard
		to 1.000 mg/kg	40 CFR 268.42(a)(2) - INCIN or FSUBS
Chlorina	wastes containing Poly ted Biphenyls (PCBs)	Greater than or equal to 50 ppm	40CFR 268.42(a)(1) - INCIN or FSUBS Also see 40 CFR 761.60 and .70
Liquid*	wastes containing Metals zardous wastes containing Cr. Hg. Pb. or Se must be d if not characteristically s for that metal	One or more of the following metals (or elements) at concentrations greater than or equal to the following: Nickel and/or compounds as Ni: 134mg/l Thalium and/or compounds as Th: 130mg/l	RCRA Section 3004(d)

\* - For the definition "liquid" refer to Method 9095, the Paint Filter Liquids Test from EPA manual SW-846

#### SUBCATEGORY REFERENCE

D001:
A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class I SDWA systems.
B. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory, that are managed in CWA/CWA-equival or Class I SDWA systems.
C. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.

DO02:

D. Corrosive characteristic wastes that are managed in non-CWA/non-CWA-equivalent/non-Class I SDWA systems.

E. Corrosive characteristic wastes that are managed in CWA, CWA-equivalent, or Class I SWDA systems.

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1/19/09

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# LAND DISPOSAL NOTIFICATION AND SERVING CATION FORM (PHASE II)

TWI-CI5789

SUPPLEMENTAL PAGE

Generator Name:	BURLINGTON ENVIRONMENTAL INC	Manifest Doc. No.:
Profile Number:	<u>C15789</u>	State Manifest No:

This form is a continuation from form ONYX-2005-A for a waste identified by more than five USEPA waste code/subcategory groups. This page by itself  $\underline{IS}$   $\underline{NOT}$  an acceptable Land Disposal Notification and Certification Form!

Continue (from form ONYX-2005-A) to identify ALL USEPA hazardous wastes that apply to this waste shipment (as defined by 40 CFR 261). For each waste number, identify the corresponding subcategory (write in the description from 40 CFR 268.40, or check NONE if the waste does not have a subcategory.). Also identify in column 6 how the waste must be managed. Spent solvent and California List treatment standards are listed on second page. F039 constituent(s) and underlying hazardous constituent(s) if applicable, must be listed and attached.

# CODE(S)  DESCRIPTION  NONE  FRICH BE  5	REF	4. US EPA HAZARDOUS WASTE	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE	6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
5         D006         X         A           6         D007         X         A           7         D008         X         A           8         D010         X         A           9         D011         X         A           10         D014         Non CMA         A           11         F001         X         A           12         F002         X         A           13         F003         X         A           14         F004         X         A           15         F005         X         A           16         F006         X         A           17         F007         X         A           18         F008         X         A           19         F009         X         A           20         F011         X         A           21         F012         X         A           22         F019         X         A           23         F034         X         A           25         F035         X         A           26         P093	REF #	WASTE CODE(S)		ENTER LETTER   FROM BELOW
7       0008       X       A         8       0010       X       A         9       0011       X       A         10       0014       Non CWA       A         11       F001       X       A         12       F002       X       A         13       F003       X       A         14       F004       X       A         15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         30	5	D006	X	
8       D010       X       A         9       D011       X       A         10       D014       Non CMA       A         11       F001       X       A         12       F002       X       A         13       F003       X       A         14       F004       X       A         15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30	6	D007	X	A
9       D011       X       A         10       D014       Non CWA       A         11       F001       X       A         12       F002       X       A         13       F003       X       A         14       F004       X       A         15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	7	D008	X	Α
10       D014       Non CMA       A         11       F001       X       A         12       F002       X       A         13       F003       X       A         14       F004       X       A         15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	8	D010	X	Α
11       F001       X       A         12       F002       X       A         13       F003       X       A         14       F004       X       A         15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	9	D011	X	A
12       F002       X       A         13       F003       X       A         14       F004       X       A         15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	10	D014	Non CWA	A
13       F003       X       A         14       F004       X       A         15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	11	F001		Α
14       F004       X       A         15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	12	F002	χ	A
15       F005       X       A         16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	13	F003	χ	A
16       F006       X       A         17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	14	<u>F</u> 004	X	A
17       F007       X       A         18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	15	F005	Х	A
18       F008       X       A         19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	16	F006	X	Α
19       F009       X       A         20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	17	F007	X	Α
20       F011       X       A         21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	18	F008	X	Α
21       F012       X       A         22       F019       X       A         23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	_19	F009	X	Α
22       F019         23       F032         24       F034         25       F035         26       P093         27       P106         28       U051         29       U240         30       U279	20	F011		Α
23       F032       X       A         24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	21	F012	. Х	A
24       F034       X       A         25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	22	F019		A
25       F035       X       A         26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	23	F032	Х	Α
26       P093       X       A         27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	24	F034	X	A
27       P106       X       A         28       U051       X       A         29       U240       X       A         30       U279       X       A	25	F035	X	Α
28       U051       X       A         29       U240       X       A         30       U279       X       A	_26	P093	X	A
29       U240         30       U279         X       A         X       A	27	P106	Х	Α
30 U279 X A	_28	U051	X	Α
	29	U240	X	A
31	30	U279	Х	Α
	31			
32 To identify F039 or D001-D043 underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Sound Check here: Y	32	- done - f Form		

Hazardous Constituent Form" provided (ONYX-2004) and check here: X

If no UHCs are present in the waste upon its initial generation check here:

hereby certify that all information submitted in this and all associated documents is complete and accurate, to the set of my knowledge and information.

best of my	knowledge and important.	
Signature	Title Date 1999 Veolia ES Technical Solutions, LLC - 09/99 - Form ONYX-2005-B	

#### Appendix L F039/UNDERLYING HAZARDOUS CONSTITUENT FORM(UTS)

Generator Name: BURLINGTON ENVIRONMENTAL INC
Profile Number: C15789 - TWI

AND PORTER OF THE SECOND PROPERTY OF THE SECO

Manifest Doc. No.:
State Manifest No.:

If D001-D043 requires treatment to 268.48 standards, then each underlying hazardous constituent present in the waste at the point of generation, and at a level above the UTS constituent specific treatment standard, must be listed. Write the letter (A, B1, B3, or C which corresponds to the letter on form ONYX-2005-A) beside each constituent present, to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If contaminated soil requires treatment to the 268.49 standards, then each UHC in the waste at the point of generation, and at a level above 10 x the UTS must be listed. Write the letter (A.1, B.5, D, or E) which corresponds to the letter on form ONYX-2005-E beside each constituent present.

CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/Kg)		NOW MUST THIS CONSTITUENT BE MANAGED?	ww (mg/l)	NWW (mg/Kg)
Acenaphthylene		0.059	3.4	Butylate		0.042	1.4
Acenaphthene		0.059	3.4	2-sec-Butyl-4,6-dinitrophenol (Din	noseb)	0.066	2.5
Acetone		0.28	160	Carbon disulfide		3.8	1,2
Acetonitrile		5.6	38	Carbaryl		0.006	0.14
Acetophenone		0.010	9.7	Carbendazim		0.056	1.4
2-Acetylaminofluorene		0.059	140	Carbofuran		0.006	0.14
Acrolein		0.29	NA	Carbofuran phenol		0.056	1.4
Acrylamide		2 19	2 23	Carbon tetrachloride		0.057	6.0
Acrylonitrile		0.24	84	Carbosulfan		0.028	1.4
Aldicarb Sulfone		0.056	0.28	Chlordane (alpha & gamma)		0.0033	0.26
Aldrin		0.021	0.066	p-Chloroaniline		0.46	16
4-Aminobiphenyl		0.13	NA	Chlorobenzene		0.057	6.0
Aniline		0.81	}   14	Chlorobenzilate		0.10	NA
Anthracene		<u>0</u> .0 <u>59</u>	3.4	2-chloro-1,3-butadiene		0.057	0.28
Aramite		0.36	NA	Chlorodibromomethane		0.057	15
alpha-BHC		0.00014	0.066	Chloroethane		0.27	6.0
beta-BHC		0.00014	0.066	bis-(2-Chloroethoxy) methane		0.036	7.2
delta-BHC		0.023	0.066	bis-(2-Chloroethyl) ether		0.033	6.0
gamma-BHC (Lindane)		0.0017	0.066	Chloroform		0.046	6.0
Barban		0.056	1.4	bis-(2-Chloroisopropyl) ether		0.055	7.2
Bendiocarb		0.056	1.4	p-Chloro-m-cresol		0.018	14
Benomyl		0.056	2 1.4	2-Chloroethyl Vinyl ether		0.062	NA
Benzene		0.14	10	Chloromethane (methyl chloride)		0.19	30
Benzo (a) anthracene		0.059	3.4	2-Chloronaphthalene		0.055	5.6
Benzal chloride		0.055	2 6.0	2-Chlorophenol		0.044	5.7
Benzo (b) fluoranthene		0.11	6.8	3-Chloropropylene		0.036	30
Benzo (k) fluoranthene		0.11	6.8	Chrysene		0.059	3.4
Benzo (g,h,i) perylene		0.0055	1.8	o-Cresol		0.11	5.6
Benzo (a) pyrene		0.061	3.4	Cresol (m- and p- isomers)		0.77	5.6_
Bromodichloromethane		0.35	15	m-Cumenyl methylcarbamate		2 0.056	1.4
Bromoform (Tribromomethane)		0.63	15	Cyclohexanone		0.36	1,2 0.75
Bromomethane (methyl bromide)		0.11	15	1,2-Dibromo-3-Chloropropane		0.11	15
4-Bromophenyl phenyl ether		0.055	15	1,2-Dibromoethane (Ethylene dibrom	ide)	0.028	15
n-Butanol (n-butyl alcohol)		5.6	2.6	Dibromomethane		0.11	15
Butyl benzyl phthalate		0.017	28	2,4-Dichlorophenoxyacetic acid (2,	4-D)	0.72	10

ONYX-2004 (06/01)

PAGE: 1 OF 4

Veolia ES Technical Solutions

			Appe	ndix L			
CONSTITUENT	HOW MUST THIS CONSTITUENT	WW     (mg/1)	NWW       (mg/Kg)	CONSTITUENT	HOW MUST THIS CONSTITUEN	ww T (mg/1)	NWW (mg/Kg)
	BE MANAGED?	1	,		BE MANAGED		-
o,p-DDD		0.023	0.087	Endosulfan II		0.029	0.13
ddd-d'd		0.023	0.087	Endosulfan sulfate		0.029	0.13
o,p-DDE		0.031	0.087	Endrin		0.0028	0.13
p,p-DDE		0.031	0.087	Endrin aldehyde		0.025	0.13
o,p-DDT	_	0.0039	0.087	EPTC		0.042	1.4
p,p-DDT		0.0039	0.087	Ethyl_acetate		0.34	33
Dibenzo (a,h) anthracene		0.055	8.2	Ethyl benzene		0.057	10
Dibenzo (a,e) pyrene		0.061	NA	Ethyl cyanide (Propanenitrile)		0.24	360
m-Dichlorobenzene		0.036	6.0	Ethyl ether		0.12	160
o-Dichlorobenzene		0.088	6.0	bis~(2-Ethylhexyl) phthalate		0.28	28
p-Dichlorobenzene		0.090	6.0	Ethyl methacrylate		0.14	160
Dichlorodifluoromethane		0.23	7.2	Ethylene oxide		0.12	NA
1,1-Dichloroethane		0.059	6.0	Famphur		0.017	15
1,2-Dichloroethane		0.21	6.0	Fluoranthene		0.068	3.4
1,1-Dichloroethylene		0.025	6.0	fluorene		0.059	3.4
trans-1,2-Dichloroethylene		0.054	30	Formetanate hydrochloride		0.056	1.4
2,4-Dichlorophenol		0.044	14	Heptachlor		0.0012	0.066
2,6-Dichlorophenol		0.044	14	   Heptachlor epoxide		0.016	0.066
1,2-Dichloropropane		0.85	18	Hexachlorobenzene		0.055	10
cis-1,3-Dichloropropene		0.036	18	   Hexachlorobutadiene		0.055	5.6
trans-1,3-Dichloropropene		0.036	18	   Hexachlorocyclopentadiene		0.057	2.4
Dieldrin		0.017	0.13	Hexachlorodibenzo-furans		0.000063	0.001
Diethyl phthalate		0.20	28	Hexachlorodibenzo-p-dioxins		0.000063	0.001
p-Dimethylaminoazobenzene		0.13	NA	   Hexachloroethane		0.055	30
2,4-Dimethyl phenol		0.036	14	Hexachloropropylene		0.035	30
Dimethyl phthalate		0.047	28	Indeno (1,2,3-c,d) pyrene		0.0055	3.4
Di-n-butyl phthalate		0.057	28	Iodomethane		0.19	65
1,4-Dinitrobenzene		0.32	2.3	Isobutanol (Isobutyl Alcohol)		5.6	170
4,6-Dinitro-o-cresol		0.32	160	Isodrin		0.021	0.066
2,4-Dinitrophenol		0.12	160	Isosafrole		0.021	2.6
2,4-Dinitrotoluene		0.32	140	Kepone		0.0011	0.13
2,4-Dinitrotoluene		0.32	28	Methylacrylonitrile		0.24	84
				Methylacrylonitrile   Methanol			1,2
Di-n-octyl phthalate		0.017	28	1		5.6	0.75
Di-n-propylnitrosoamine		0.40	14	Methapyrilene	-	0.081	1.5
1,4-Dioxane		12	170	Methiocarb		0.056	2
Diphenyl amine 4		0.92	13	Methomyl		0.028	0.14
Diphenylnitrosoamine		0.92_	13	Methoxychlor		0.25	0.18
1,2-Diphenyl hydrazine		0.087	NA	3-Methylcholanthrene		0.0055	15
Disulfoton		0.017	6.2	4,4-Methylene-bis-(2-chloroanili	ine)	0.50	30
Dithiocarbamates (total)		0.028	28	Methylene_chloride	_	0.089	30
Endosulfan I		0.023	0.066	Methyl ethyl ketone		0.28	36

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ONYX-2004(06/01)

Sinistra Mettino again, again de Karan de Bergaran again an an anno an anno an anno an anno anno an anno anno a

			Appe	ndix L		1	
CONSTITUENT	HOW MUST	ww	NMM		OW MUST	ww	NWW
	THIS CONSTITUENT BE MANAGED?	(mg/l)	(mg/Kg)	j  c	HIS ONSTITUENT E MANAGED?		(mg/Kg)
Methyl isobutyl ketone		0.14	33	  Pronamide		0.093	1.5
Methyl methacrylate		0.14	160	Propham		0.056	1.4
Methyl methanesulfonate		0.018	NA	Propoxur		0.056	1.4
Methyl parathion		0.014	4.6	Prosulfocarb		0.042	1.4
Metolcarb		0.014	2	Pyrene		0.067	8.2
		2	2			0.014	16
Mexacarbate		0.056	2	Pyridine			22
Molinate	-	0.042	1.4	Safrole		0.081	
Naphthalene		0.059	5.6	Silvex (2,4,5-TF)		0.72	7.9
2-Naphthylamine		0.52	NA 2	2,4,5-Trichlorophenoxyacetic acid		0.72	7.9
o-Nitroaniline		0.27	14	1,2,4,5-Tetrachlorobenzene		0.055	14
p-Nitroaniline		0.028	28	Tetrachlorodibenzo-furans (TCDF's)		0.000063	0.001
Nitrobenzene		0.068	14	Tetrachlorodibenzo-p-dioxins	_	0.000063	0.001
5-Nitro-o-toluidine		0.32	28	1,1,1,2-Tetrachloroethane		0.057	6.0
o-Nitrophenol		0.028	13	1,1,2,2-Tetrachloroethane		0.057	6.0
p-Nitrophenol		0.12	29	Tetrachloroethylene		0.056	6.0
N-Nitrosodiethylamine		0.40	28	2,3,4,6-Tetrachlorophenol		0.030	7.4
N-Nitrosodimethylamine		0.40	2.3	Thiodicarb		0.019	1.4
N-Nitroso-di-n-butylamine		0.40	17	Thiophanate-methyl		0.056	1.4
N-Nitrosomethylethylamine		0.40	2.3	Toluene		0.080	10
N-Nitrosomorpholine		0.40	2.3	Toxaphene		0.0095	2.6
N-Nitrosopiperidine		0.013	35	Triallate		0.042	1.4
N-Nitrosopyrrolidine		0.013	35	2,4,6-Tribromophenol		.035	7.4
Oxamyl		0.056	0.28	1,2,4-Trichlorobenzene		0.055	19
Parathion		0.014	4.6	1,1,1-Trichloroethane		0.054	6.0
PCBs (Total) all isomers or Aroc	lors	0.10	10	1,1,2-Trichloroethane		0.054	6.0
Pebulate		0.042	1.4	  Trichloroethylene		0.054	6.0
Pentachlorobenzene	_	0.055	10	  Trichloromonofluoromethane		0.020	30
Pentachloroethane		0.055	6.0	2,4,5-Trichlorophenol		0.18	7.4
Pentachlorodibenzo-furans		0.000035	0.001	2,4,6-Trichlorophenol		0.035	7.4
Pentachlorodibenzo-p-dioxins		0.000063	0.001	1,2,3-Trichloropropane		0.85	30
Pentachloronitrobenzene		0.055	4.8	1,1,2-Trichloro-1,2,2-trifluoroeth	ane	0.057	30
Pentachlorophenol		0.033	7.4	Triethylamine		0.081	2
Phenacetin		0.081	16	Tris(2,3-dibromopropyl) phosphate		0.11	0.10
Phenathrene	-	0.059	5.6	Vernolate		0.012	2
Phenol		0.039	6.2	Vinyl chloride		0.042	6.0
Phorate		0.039	4.6	Xylenes (sum of o-, m-, and p- ison	meral	0.32	30
	_	2	2	A			
Phthalic acid		0.055	28	Cyanides (Total)	A .	1.2	590
Phthalic anhydride		0.055	28	Cyanides (Amenable)	A	0.86	30
Physostigmine		0.056	2	Antimony	_	1.9	5
Physostigmine salicylate		0.056	1.4	Antimony	<del>-  -</del>	1.9	1.15
Promecarb		0.056	1.4	Arsenic	A	1.4	5.0

PAGE: 3 OF 4

ONYX-2004(06/01)

1914 - Bardings College Million (nervé a ... Kurt, quant den entre l'internet le

			Appe	ndix L	- <del></del>		
T	IOW MUST THIS CONSTITUEN BE MANAGEI		NWW (mg/Kg)	CONSTITUENT	HOW MUST THIS CONSTITUENT BE MANAGED?	WW (mg/l)	NWW (mg/Kg)
Barium		1.2	1 7.6				
Barium	1	1.2	1,5				_
Beryllium		0.82	0.014				
Beryllium		0.82	1,5				,
Cadmium	A	0.69	0.19				
Cadmium		0.69	1,5 0.11				
Chromium (Total)	A	2.77	0.86			_	
Chromium (Total)		2.77	1,5				
3 Fluoride		35	NA				
Lead	A	0.69	0.37				
Lead		0.69	1,5				
Mercury (Not from retorting)		0.15	0.025				
Nickel		3.98	5.0				
Nickel		3.98	1,5				
Mercury (From retorting)		N/A	0.20				
Selenium	A	0.82	1 0.16				
Selenium	1	0.82	6 5.7				
Silver	A	0.43	0.30				
Silver		0.43	1,5				
3 Sulfide		14	NA NA				
Thallium		1.4	1,2				
Thallium		1.4	1,5				
3 Vanadium		4.3	1.6				
3 Zinc		2.61	1 4.3				
2,4-Dimethylaniline (2,4-Xylidine)		0.01	0.66				
o-Anisidine (2-Methoxyaniline)	ı	0.01	0.66				-
1,2,3,4,6,7,8-Heptachlorodibenzo-p	-dioxi	0.000035					
1,2,3,4,6,7,8-heptachlorodibenzofu		0.000035					
1,2,3,4,8,9-heptachlorodibenzofura		0.000035					
1,2,3,4,6,7,8,9-octachlorodibenzo-		0.000063					
1,2,3,4,6,7,8,9-Octachlorodibenzof	ļ	0.000063					
1,3-Phenylenediamine		0.01	0.66				
		1	T	_			

<sup>2,4-</sup>Xylidine 0.01 0.66 1 These concentrations are expressed in mg/l and are measured through an analysis of TCLP extract; all others measured through a total waste analysis.

0.66

0.01

PAGE: 4 OF 4

ONYX-2004 (06/01)

p-Cresidine

#FFA DECEMBER SERVICE COLOR SERVICES SERVICES

These constituents are only applicable as Underlying Hazardous Constituents. They are not constituents requiring treatment in

<sup>3</sup> Not an underlying hazardous constituent requiring treatment in D001-D043 wastes, per 268.2(i).

These compounds are regulated by the sum of their concentration instead of as individual constituents.

These concentrations are effective in unauthorized states or states with no LDR program on August 24,1998. These concentrations are effective in all other states upon adoption by the state.

<sup>6</sup> Effective August 24, 1998 in unauthorized states or states with no LDR program, Selenium at 5.7 Mg/L is not considered an underlying hazardous constituent in D001-D043 waste as it is above the characteristic level. This becomes effective in authorized states once that state adopts.

<sup>7</sup> If a contaminated soil, and the alternative soil treatment standards are being utilized, the treatment standards for underlying hazardous constituents must be a 90% reduction of the constituent(s) or be less than 10 X the standards listed. Note that if the constituent concentration is less than 10 X UTS at the time of generation, that constituent is not considered an underlying hazardous constituent.

Report: R7008 ONYX ENVIRONMENTAL SERVICES, LLC DATE: 11/01/07

Version 06.04 WASTE PROFILE SUMMARY Appendix L TWI-CI5789 SELLING REGION LAB - MRL

> EXPIRES....: 12/03/09 STATUS..... APPR FOR SERV

FEDERAL EPA ID: WAD020257945

STATE EPA ID..: 9530019999 EPA STATUS....: CHK RESTRICT

15 %

SALES OFFICE..: PTA

BUSINESS: PHILIP SERVICES CORP NUMBER....: 103-4-349 PHONE....:

CONTRACTOR OF THE CONTRACTOR O

DEPT.....

ADDRESS 1: 1701 ALEXANDER AVE

ADDRESS 2:

CITY/ST..: TACOMA WA 98421-4106

CONTACT..:

WASTE NAME: CYANIDE MIXTURE SOLUTION

PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES

SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S

ADDL. DESC: (CYANIDE, ARSENIC)

CHEMICAL COMPOSITION MIN - MAX UNIT DESCRIPTION 10 % 0.1

CYANIDE WATER 50 99 % FLUORIDE 0 0.1 % NON-TRI CHEMICALS 25 % 0 ORGANICS, REGULATED AND NON - REGULATED.

INERT INORGANIC SALTS

ARSENIC BARIUM CADMIUM LEAD ZINC

CHROMIUM

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

METALS TCA OR TOTAL PHYSICAL CHARACTERISTICS Physical State...: Liquid Nickel as Ni < 200 ppmThallium as T1 < 200 Flash Point....: > = 200 ppm CL

Arsenic as As < 200 pH..... 12.5 - 14.0 ppm Barium as Ba < 200 Color..... BROWN TO VARIES ppm Cadmium as Cd < 200 ppmOdor....: NONE Chromium tot Cr < 200 ppm Layers..... Single Layer

Lead as Pb < 100 ppm Specific Gravity.: 0.800 - 1.400 Mercury as Hg < 0.1 ppm Free Liquids....: 95 - 100

Silver as Ag < 200 ppm Cyanides....: 0.1 To 10.0 % TOTAL Sulfides..... < 3 < 200 Antimony PPM ppmTOTAL

Beryllium < 200 PCB's..... N/A ppm, Regulated by 40 CFR 761: ppm Potassium < 2000 ppm Phenolics..... < 10 PPM

57800 % Taxable....: DOT UN/NA NBR: UN2927 Sodium ppm Vanadium

< 200 ppm Treatment Codes..: T07 CRQ RPT QTY..... 1 Selenium as Se < 100 mg/1

Material Class: Chromium Hex < 500 mg/1EPA Permit....: EXP:

> Hazard Class....: 6.1 State Codes....: 090001

Benzene ....: **NESHAP:** 

Packing Group....: II Process Codes....: BLL Cert of Dstrct Rq: Y

Federal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

HANDLING

NBR GREEN GLOVES

N-DEX INNER GLOVE

SARANEX

TYPE C RESPIR CONST FLOW

PVC YELLOW OVR BOOT COVER

CONTAINS CYANIDES - DO NOT MIX W/PH <6

CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD

DOT PROPERTIES

Inhalation: 2 Dermal: 2 Oral: 2

Flammable: 0 Health: 0

SUMMARY

Waste Type B119 Form Code

COMMENTS

CHARGE CODE: NS REVIEWED FOR MACT METALS

drayage price will be \$2,700.00 to cover the cost of any rinsing of the tankers. If ther is an

extensive heal, pricing will based on case-by case basis

Report: R7008

DATE: 11/01/07

PROFILE: CI5789

onyx environmental services LLC Appendix L waste profile summary addendum Version 01.00 APENDIX PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents Not included on Waste Profile Summary Report

Chemical Composition

BASION ASSESSMENT OF THE WAS ASSESSMENT OF THE PROPERTY OF THE

MIN - MAX UNIT DESCRIPTION

SILVER SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE

PRESENT AS CATIONIC SPECIES.

PHENYLTHIOUREA

1 %

(Ry)

## New Approval/Recert Checklist

Circle all that apply	Comment Key
New Direct Schedule	A=Amendment L=PSC Comments C=CSR Comments C=Other Information D=DOT Properties P=Process Code
Recent Intercompany CI 578	
!-Series  1. CSR (new, and all directs) Customer # Generator #	1. CSR (new. and all directs) BIF G#
2 Check-in (all directs) Enter WIP # 073976 Initiate activity	2. Check-in (alf new) CK Check in (LM03, LM01)
3. Approvals TWI CI 5789  (all)  Verify approval (or WIP, if new direct)  Add activity to WIP/create approval (directs)  Comments:  HBU section 28  HBU section 29  Process Code  HBU F22 PSC comments  Temporary Hold Flag Flip	3. Approvals (all) HBU recert or approval Update/enter Waste Tracking Info
4. Check-Out (all) Print approval	4. Check-Out (all)  Print approval  HBU Check-out (new)
5. CSR  (ail)  (review comments in HBU and copy to iseries as necessary)  PPE -E  DOT Properties -D  CSR Comments -C  Additional comments if necessary  8. Kathy and Christie	5. CSR (all)  ——————————————————————————————————
(all) Pricing on Approval and WIP	

**₹ 00**5\005

\* CYBOLYN

10/04/2007 16:09 FAX

### New Approval/Recert Checklist

Circle all that apply	Comment Key
New Direct Schedule  Recert Intercompany	A=Amendment L=PSC Comments C=CSR Comments O=Other information D=DOT Properties P=Process Code E=PPE Requirements R=Restrictions/Limits/Precautions G=General Comment S=Special Handling H=Hold related info
I-Series  1. CSR (new, and all directs) Customer # 546220 Generator # 546221  2. Check-In (all directs)	1. CSR (new, and all directs) BIF- G# 103-4349 BIF-1# 103-4349 2. Check-In (all new)
Enter WIP # 3930 Initiate activity	Check in (LM03, LM01)
3. Approvals  (all)  Verify approval (or WIP, if new direct)  Add activity to WIP/create approval (directs)  Comments:  HBU section 28  HBU section 29  Process Code  HBU F22 PSC comments  Temporary Hold Flag Flip	3. Approvals (all)HBU recert or approvalUpdate/enter Waste Tracking info
4. Check-Out (all) Print approval	4. Check-Out (all)  ——Print approval ——HBU Check-out (new)
5. CSR  (all)  (review comments in HBU and copy to iseries as necessary)  PPE -E  DOT Properties -D  CSR Comments -C  Additional comments if necessary	5. CSR (all)  PPE -E DOT Properties -D CSR Comments -C Additional comments if necessary
6. Kathy and Christie (all) Pricing on Approval and WIP NEIC VP0972E01	Page 123 of 412 Veolia ES Technical Services Sauget, Illinois

# Veolia ES Technical Solutions, LLC Appendix L GENERATOR'S WASTE PROFILE SHEET

Profile # TWI CI5789

GENERAL INFORMATION 1. Generator Name: PHILIP SERVICES CORP	Generator USEPA I	ID: WAD020257945	
2. Generator Address: 1701 ALEXANDER AVE	Billing Address:	PHILIP SERVICES	S CORP
	(_) Same		
TACOMA WA 98421-4106			
3. Technical Contact/Phone:		SEATTLE	WA 98108-2631
4. Alternate Contact/Phone:	Billing		
PROPERTIES AND COMPOSITION 5. Process Generating Waste: <u>CYANIDE CONSOLIDATION FROM (</u>	OUTSIDE SOURCES		
6. Waste Name: CYANIDE MIXTURE SOLUTION			
7A. Is this a USEPA hazardous waste (40 CFR Part 261)? B. Identify ALL USEPA listed and characteristic waste (	Yes $(\underline{X})$ No $(\underline{)}$ code numbers $(\overline{D},F,K,P,U)$ :	: <u>D002 D003 D004 D0</u>	005 D006 D007 D008 D010 D011_
D014 F001 F002 F003 F004 F005 F006 F007 F008 F009 F0	See attachment 1	_ State Waste Codes	s: <u>090001</u>
8. Physical State @ 70F: A. Solid(_) Liquid( $\underline{X}$ ) Both(_) Ga	as(_) B. Single Layer ( <u>X</u> )	) Multilayer (_) C.	Free liq. range <u>95</u> to <u>100</u> %
9A. pH: Range <u>12.5 to 14.0</u> or Not applicable (_) B. St	trong Odor (_);describe _		
10.Liquid Flash Point: < 73F (_)	) 140 100F ( ) >= 200F	- (V) N A ( ) C3	locad Cup (V) Open Cup ( )
	<del>-</del>		<del>-</del>
<ol> <li>CHEMICAL COMPOSITION: List ALL constituents (incl. &amp; Constituents</li> </ol>	la rogenated organics) pre		Description
CYANIDE		l to 10 %	
<u>WATER</u>	50		
FLUORIDE	(		
NON-TRI CHEMICALS	(	) to _25 %	
ORGANICS, REGULATED AND NON - REGULATED.		to	
INERT INORGANIC SALTS TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):	(	0 to 15 % 150.100000	See attach
12. OTHER: PCBs if yes, concentration N pp Radioactive ( ) Benzene if yes, concentration Carcinogen ( ) Infectious ( ) Other	pm, PCBs regulated by 40 n ppm. !	CFR 761 (_). Pyro NESHAP (_) Shock Se	ophoric (_) Explosive (_) ensitive (_) Oxidizer (_)
13. If waste subject to the land ban & meets treatment s	tandards, check here: _ 8	& supply analytical	l results where applicable.
SHIPPING INFORMATION 14. PACKAGING: Bulk Solid (_) Bulk Liquid ( <u>X</u> ) Drum (_)	Type/Size: TANK	Other _	
15. ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLON	S Shippi	ng Frequency: WEEK	
SAMPLING INFORMATION 16a. Sample source (drum, lagoon, pond, tank, vat, etc.)	; <u> </u>	Samp	ple Tracking Number: <u>5634205</u>
Date Sampled: Sampler's Name/Company:			
16b. Generator's Agent Supervising Sampling:		17. (_) No sample	required (See instructions.)
GENERATOR'S CERTIFICATION I hereby certify that all information submitted in this this waste. Any sample submitted is representative as de relevant information regarding known or suspected hazard Veolia ES Technical Solutions to obtain a sample from an	fined in 40 CFR 261 - Ap s in the possession of t	pendix I or by usi he generator has be	ng an equivalent method. All een disclosed. I authorize

18. This is a Nonwastewater.

19.	If this w					list	restrictions	enter	the	letter	from	below	(either	A or	B.1)	next	to
	each rest	TICLION	lillat 15	αμμιτι	abie:												
					HOCs,	PCB:	s, Acid,	Me	tals,	, C	yanide	es					

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

	A. US EPA HAZARDOUS	B. SUBCATEGORY Enter the subcategory descripti If not applicable.	on.		C. APPL	ICABLE TREATMENT STANDARDS	D. HOW MUST THE WASTE BE	
REF #	WASTE CODE(S)	simply check none		PERFOR BAS Check as	ED: applicable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) 268.42	MANAGED?  Enter letter from below	
1	D002	Non-CWA, Non-Class 1 managed corrosive char. wastes	NONE	200.41(a)	200.43(a)	DEACT	Α	
<u></u> 2						DEACT		
3		REACTIVE CYANIDES	v				Α	
			X				A	
<u>4</u>			X				A	
<u>5</u>			X				_ A	
6			X				A	
7	D008		X				A	
8	_		X				Α	
9		_	X				Α	
10		Non CWA					Α	
11			X			INCIN	A	
12			Х			INCIN	A	
13	F003		Χ			INCIN	A	
14	F004		Χ			INCIN	A	
15	F005		Χ			INCIN	A	
16	F006		χ				Α	
17	F007		Χ				A	
18	F008		Χ	_			A	
19	F009		χ				A	
20	F011		χ				Α	
21	F012		Χ				Α	
22	F019		Χ				A	
23	F032		χ	_			Α	
24	F034		χ				Α	
25	F035		Χ				A	
26	P093		χ			INCIN	A	
27	P106		χ				A	
28	U05 <u>1</u>		χ	Х	Х		A	
29			X				A	
30			Х				Α	

20. USEPA hazardous waste numbers (continued):

REF	A. US EPA HAZARDOUS WASTE CODE(S)	B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none	PERFORMANCE- BASED: Check as applicable	LICABLE TREATMENT STANDARDS  SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s)	D. HOW MUST THE WASTE BE MANAGED? Enter letter from below
		DESCRIPTION NONE	268.41(a) 268.43(a)	268.42	
		a the lead disease lanchistics			

Management under the land disposal restrictions: A. RESTRICTED WASTE REQUIRES TREATMENT

- B.1 RESTRICTED WASTE TREATED TO 268,40 STANDARDS
- B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
- B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD
- B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD
- C. RESTRICTED WASTE SUBJECT TO A VARIANCE
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
- E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS
- 21. Is this waste a soil or debris? No: X Yes, Soil: \_ Yes, Debris: \_ 22. Specific Gravity Range: \_\_.800 to 1.400 23. Indicate the range of each: Units

Cyanides: \_ \_\_\_\_\_ 0.1 to \_\_\_\_ 10.0 % Type (free, total, amenable, etc.) TOTAL Cyanides: None to Type (free, total, amenable, etc.) \_\_\_\_\_ PPM Type Sulfides: < 3\_\_\_\_\_\_ to \_\_\_\_\_ TOTAL

Optional Phenolics: < 10 to PPM

, DOT physical state <u>Liquid</u> 24. Identify the waste color BROWN TO VARIES

and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

NEIC VP0972E01

Foresteen transfer to the total and the contract of the contra

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION		26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available)
TOTAL		RANGE
Beryllium as Be < 5000	ppm	A. Heat Value (Btu/lb):12000
Potassium as K	ppm	B. Water:
Sodium as Na <u>88000</u>	ppm	C. Viscosity (cps):@F100 F150 F
Bromine as Br <u>&lt; 5</u>	<u> </u>	D. Ash: %
Chlorine as Cl < 5	%	E. Settleable solids: %
Fluorine as F < 5	%	F. Vapor Pressure @ STP (mm/Hg):
Sulfur as S < 5	%	G. Is this waste a pumpable liquid? Yes $\underline{X}$ No _
		H. Can this waste be heated to improve flow? Yes $\_$ No $\underline{X}$
·		I. Is this waste soluble in water? Yes $\underline{X}$ No _
		J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes $\underline{X}$ No _
and Additional Description if required: <a href="https://example.com/required-nations">(CYANIDE RQ(D004)</a> C. DOT Regulations: <a href="https://example.com/united-nations">United Nations</a> Hazard Class: D. CERCLA Reportable Quantity (RQ) and units (Lb, KQ) E. Non-Bulk code <a href="https://example.com/202">202</a> Bulk code <a href="https://example.com/243">243</a> F. Special Provisions <a href="https://example.com/142">T42</a> G. Labels Required		

30. VEOLIA ES TECHNICAL SOLUTIONS CERTIFICATION

 $\label{thm:constraint} \begin{tabular}{ll} Veolia ES Technical Solutions, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. \\ \end{tabular}$ 

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

METALS	TCLP Information: Check only ONE for each constituent Use units: ppm, mg/1				TCLP Data			e units	or ber	mg/l, mg/kg	
	Less Than	TC Regulated Level	Equal or More	Waste No.	TCLP Actual	Less Than	Regu	nia Lis lated vel	Equal or More	Actua	a1
Arsenic as As		5.0 mg/l	Х	D004			500	mg/l_		<200	ppm
Barium as Ba		100.0 mg/l	Х	D005						<200	ppm
<u>Cadmium as Cd</u>		1.0 mg/l	Х	D006			100	mg/l		<200	ppm
Chromium tot Cr		5.0 mg/1	X	D0 <u>07</u>						<200	ppm
Lead as Pb		5.0 mg/l	Х	D008			500	mg/l		<100	ppm
Mercury as Hg	X	.2 mg/l		D009			20	mg/l_		<0.1	_ppm
Selenium as Se	Х	1.0 mg/l		D010		X	100_	mg/l			
Silver as Ag		5.0 mg/1	X	D011				_		<200	ppm
Nickel as Ni							134	mg/l		<200	ppm
Thallium as Tl						Х	130	mg/1_		<200	ppm
Chromium Hex						X	500	mg/l			
Antimony										<200	ppm
Beryllium										<200	ppm
Copper										_	
Vanadium										<200	ppm
Zinc											
Potassium										<2000	ppm
Sodium										57800	ppm
	,										
				,							

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

GANICS	TCLP Information: Check only ONE for each constituent			nstituent	TCLP Data	TCA or TOTAL  Use units: ppm, mg/l or		
	Less Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l			
Benzene	Χ	0.5 mg/l		D018				
Carbon Tetrachloride	Х	0.5 mg/l		D019				
Chlordane	<u>X</u>	0.03 mg/1		D020				
Chlorobenzene	X	100.0 mg/l		D021	<u> </u>			
Chloroform	Χ	6.0 mg/l		D022				
m-Cresol	Χ	200 mg/1		D024				
o-Cresol	X	200.0 mg/l		D023				
p-Cresol	Х	200.0 mg/1		D025				
Cresol	χ	200.0 mg/1		D026				
2.4-D	Χ	10.0 mg/l		D016				
1,4 Dichlorobenzene	Χ	7.5 mg/1		D027				
1,2-Dichloroethane	X	0.5 mg/l		D028				
1,1-Dichloroethylene	Х	0.7 mg/1		D029				
2,4-Dinitrotoluene	X	0.13 mg/l		D030				
Endrin	Х	.02 mg/l		D012				
Heptachlor, & Hydroxide	_X	0.008 mg/1		D031				
Hexachloro-1,3 Butadiene	Х	0.5 mg/l		D033				
Hexachlorobenzene	Х	0.13 mg/l		D032				
Hexachloroethane	Х	3.0 mg/l		D034				
Lindane	Χ	0.4 mg/1		D013				
Methoxychlor	Х	10.0 mg/l		D014				
Methyl Ethyl Ketone	X	200.0 mg/l		D035				
Nitrobenzene	X	2.0 mg/l		D036				
Pentachlorophenol	X	100.0 mg/l		D037				
Pyridine	X	5.0 mg/1		D038		<u>.</u>		
Tetrachloroethylene	Х	0.7 mg/1		D039				
Toxaphene	Х	0.5 mg/1		D015				
2.4.5-TP Silvex	X	1.0 mg/l		D017				
Trichloroethylene	х	0.5 mg/1		D040				
2,4,5-Trichlorophenol	Х	400.0 mg/1		D041				
2,4,6-Trichlorophenol	X	2.0 mg/1		D042				
		0.2 mg/l		D043				

ATTACHMENT 1

USEPA WASTE CODE NUMBERS: Additional waste codes NOT included on page 1 of the Waste Profile

F012 F019 F032 F034 F035 P093 P106 U051 U240 U279

ATTACHMENT 2	rr -		
CHEMICAL CDMPOSITION: Additional Constituents	al constituents NOT included on page Range	1 of the Waste Profile Unit Description	
ARSENIC	<del> </del>	to	
BARIUM		to	
CADMIUM		<u>to</u>	
LEAD		to	
ZINC		to	
CHROMIUM		to	
SILVER		to	
SODIUM	<u> </u>	<u>to</u>	
COMMENTS		to	
METALS LISTED UNDER "INER"	T INORGANIC SALTS" ARE	to	
PRESENT AS CATIONIC SPECIAL	ES	to	
PHENYLTHIOUREA		0 to 1 %	
UHC Constituent	Management Method		
Cyanides (Total)	<u>A</u>		
Cyanides (Amenable)	<u>A</u>		
Arsenic	<u>A</u>		
Cadmium	<u>A</u>		
Chromium (Total)	<u>A</u>		
Lead	<u>A</u>		
Selenium	<u>A</u> ·		
Silver	<u>A</u>		
Solvent Constituent	Management Method		

Ņ	ATSCEL	LANEOL	IS PROF	TIF	FĬ	FΙ	ns
Į.	ITOULL	. I. AINE.UA	JJ FRUI	ILL	1 1	LL	

Selling Region Lab: MRL  Master Profile No.: PTA-NC  Sales Office : PTA  Location Orig : PTA  Profile Expires . : 12703/09  Approved : 11701/07  Signed Profile Present: Y Change Pending: N  Site (DCS) Status: Z REQ FOR DCS DOWNLOAD  Prof. Tracking No: 5634205
Fuels Approval.:  Pumpable Liquid Exact: % OR Range: %  Type of Pump:  Additional Anticipated Vol: Per: _ Unit Code/Des:
Handling Codes: 62 NBR GREEN GLOVES 64 SARANEX 0F PVC YELLOW OVR BOOT COVER  80 N-DEX INNER GLOVE 17PE C RESPIR CONST FLOW
EPA Data: Status Code: C
Percent Taxable: No. of Labels:  Tranship Dest .: Download Generator: 1034349  Material Class.: DCS Generator #: 5841034349  Treatment Codes: T07  Process Codes .: BLL  Schedule Category : ILLB  Schedule Interval : Hal. Org. Compounds.: RCRA Reactive: Etiologic: Water Reactive: Pesticide Mfg. Waste: Ignition Screen : Gas Evolution : Wet Zone: Wet Zone: Self-heating cube sz Vapor Concentration Boiling Point F Corrosive to Steel or Aluminum Organic Peroxide Corposite
GENERATOR FROM PAGE 1 Business Name USEPA ID Rltn Contract in Place at Expires on Evergreen Contract PHILIP SERVICES CORP WAD020257945 G
ADDITIONAL BUSINESSES  Business Name
ADDITIONAL PROFILE COMMENTS  Cat Comment  CSR REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH  CSR REVIEWED FOR PHASE II LDR  CSR REVIEWED FOR PHASE II LDR  CSR F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI  CSR BILL SEATTLE SITE TO KENT WA, PER SALES MARC M.  CSR SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00  CSR ODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A  CSR PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND  CSR DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO  CSR TO THIS PARTICULAR SHIPMENT \$1000.00  CSR TO THIS PARTICULAR SHIPMENT \$1000.00  CSR DELIVERY 4-22-02 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-02 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-02 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-03 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-04 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-05 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-05 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-06 REPUBLIED TO  CSR REFIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER  CSR DELIVERY 4-22-06 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-07 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-08 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-09 REQUIRES TRIPLE RINSE  CSR DELIVERY 4-22-00 REQUIRES TRIPLE RINSE  CSR DELIVERY 12-2-00 - IF P-LISTED REJECT P LISTED  CSR REF RECEIVER # 22-6983 FOR ANALYSIS-RCVD 12/2/02  CSR REF RECEIVER # 22-6983 FOR ANALYSIS-RCVD 12/2/02  CSR DELIVERY 13-2-00 - IF P-LISTED REJECT P

#### Profile Change History

Profile # TWI CI5789

This section lists comments describing changes made to the profile.

5. minorial and the experience of the contract of the contract

Profile Change Comments	Date	User
MRL/BP3414 Entire profile copied to MRL/CI5789	1719798	WM0911TTT
/	1/19/98	WM0911TTT
TWI APPROVAL	2/04/98	WM0911TTT
MRL/CI5789 Entire profile copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WM0911TTT
X	2/04/98	WM0911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	5/21/98	WM0911CAT
ADDED DOOS AND DOOS (LOW HG <260 PPM) PER MANIFEST	5/21/98	WM0911CAT
RECEIPT AND LAN BAN	5/21/98	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	5/21/98	WM0911CAT
LHB/ Added Cyanokem- Philip location per Mike	7/30/98	WM0233LHB
Ulendorf of Philip in Renton, WA	7/30/98	WM0233LHB
MRL/CI5789 Core Profile Info copied to TWI/CI5789	1/26/99	WM0346RJL
PTA RECERT.	1/26/99	WM0346RJL
MRL/CI5789 Change Log copied to TWI/CI5789	1/26/99	WM0346RJL
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/28/99	WM0911KES
REMOVED FO39-UNACCEPTABLE AT TWI UNTIL FURTHER	10/28/99	WM0911KES
NOTICE.	10/28/99	WM0911KES
MRL/CI5789 Change Log copied to TWI/CI5789	10/28/99	WM0911KES
ADDED 1009166 AS A GENERATOR	2/11/00	WM0233JLM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/12/01	WM0911KEM
UPDATED FOR TWI RECERT	3/12/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	3/12/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/12/01 3/12/01 10/31/01	WM0911KEM
ADDED P093 PER CUSTOMER	10/31/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	10/31/01 10/31/01 10/31/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01	WM0911KEM
ADDED PHENYLTHIOUREA 0-1% PER CUSTOMER.	10/31/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	10/31/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01 10/31/01 3/31/04	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	3/31/04	WM0911CAT
X	3/31/04 1/20/05	WM0911CRW
MRL/CI5789 Core Profile Info copied to TWI/CI5789	1/27/05	WM0911CAT
removed D009 per Cynthia Williams who got the ok	1/27/05	WM0911CAT
from the customer	1/27/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	1/27/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/17/05	WM0911CAT
ADDED U240.U279 PER CUSTOMER	3/17/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	3/17/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	5/16/05	WM0911CAT
added F032, F034 per customer	5/16/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	5/16/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	5/23/05	WM0911CAT
added F035 per customer	5/23/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	5/23/05	WM0911CAT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	8/12/05	WM0911KEM
ADDED U051 PER CUSTOMER	8/12/05	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	8/12/05 8/12/05	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	8/17/05	WM0911CAT
ADDED D014	8/17/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	8/17/05 8/17/05 8/17/05	WM0911CAT
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#### Schedule Categories

Profile # TWI CI5789

Category ILĽB

Description Low BTU Bulk Liqui Container

Tank Trucks

#### Pricing Comments

Disposal Price

- Need PE if off-gate, no min, or no approval fee

- \$2,000 minimum applies.
- If T & D bundled 40,000 pound minimum applies. - Illinois Hazardous Fees: \$.03 per gallon or

\$6.06 per cubic yard. Transportation Price

- Load/Trip/Mile

- \$425 minimum for trips less than 100 miles.
- \$3.60 per loaded mile.

- \$3.60 per loaded mile.
   \$150 per day tanker rental.
   Fuel surcharge will apply based on the U.S. Average Retail On-Highway Diesel Prices.
   Direct inject tankers may incur additional cost.
   Cancelled loads require 48-hour notice or they will be billed at the regular trip rate.
   Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility. the customer to the disposal facility.

Demurrage

\$85 an hour after 1 1/2 hour loading time.

Waste Approval Fees

- \$150 paperwork approvals (no analytical). - \$500 analytical approval.

- Characterization & unknowns are priced upon request.

Pricing Conditions

- Energy & Security surcharge will apply. Tanker Rinseout & Heel Removal Fees:
- \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
- \$1,000 rinseout fee with <50 gallons of
- rinseable solids plus cost of solvent used.
   \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
- \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon
- minimum disposal charge applies.

   Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- A \$300.00 minimum disposal fee for drums per profile number, per shipment.
- Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.</li>
   Containers <55 gallons for liquids will be</li>
- prorated per gallon with a \$XX.XX minimum. \$75.00 per drum for any overpacked material.
- Discrepant material will be surcharged on a case-by-case basis.

Date 11/01/07 Time 15:50:14

#### WASTE MANAGEMENT DECISION

Page . . :

Appendix L

Location of Original MIDWEST REGIONAL LAB

ı.	Generator and Facility Information  Decision Site TRADE WASTE INCINERATI Proposed Management Facility TRADE WASTE INCINERATI  *** This Decision is APPROVED	Tracking #: 5634205 Priority : 97 Profile # : CI5789 Date Received: 11/01/07 Effective Date: 11/01/07 Generator : PHILIP SERVICES CORP Waste Category Code: Description : CYANIDE MIXTURE SOLUTION
II.	Decision to Deny Approval for Management of Waste  Reason for Denying Approval	
Fina	T Approval Name (print)	Date
III.	a) Approved Management Methods Incineration  b) Precaution Conditions or Limitations on Approval  (1) Site Conditions  (2) Contracting Conditions  (3) Site and Contracting Conditions  - Bulk liquids: Material which cannot be - Bulk shipments must be pumpable with a a 1/8" screen.  Notification & Certification form must - DOT approved containers.  c) Analytical Requirements for Each Load	offloaded will be returned to the generator. centrifugal pump and solids must pass through - A signed and completed Land Disposal accompany each shipment. (copy enclosed) - All shipments must be made using a manifest.
	MANDATORY ANALYSIS PER WAP  d) <u>Decision Expiration Date</u> 12/03/09	
IV.	Final Decision  State any Additional Precautions, Conditions, or Limitation  Approval Name (print)	

## Print Approval Details

Appendix L

Facility: TWI Technology: 040 Approval Code: TWICI5789

Approval Detail

: 911 TRADE WASTE INCINERATION, Owned by Company: 001 Location Original WIP : 23926 : 546221 PHILIP SERVICES CORP Generator

: 11/01/07 Approval Date Expiration : 12/02/09

Recert Gen Date Recert Sent : Recert WIP ST Limit Qty: ST Lim Qty UOM Next Sample Date: State Expire Date: State Approval

One Time Only : N Restriction : N Temporary Hold : N

Company Code Location

Waste Stream

: CYANIDE MIXTURE SOLUTION Waste Name

RQ Quantity: RQ . . . : Y

Ship Name .: 2880 TOXIC LIQUIDS, CORROSIVE, ORGANIC,

Hazard Class : 6.1 POISONOUS MATERIAL Odor: \*Blank

Intensity: Color . . . : VAR

Layers . . . : Viscosity: Low (Water) Single Phase

Physical State Liquid Blank Blank

Haz Characteristics Form W219 Form: Blank Blank Blank

Pack Group . : Required Labels: Waste DWW PIH P IH Hazard Zone : Y N N N N

				1	Rai	nge	e -	From	To
PH						•	:	12.5	14.0
Specific Gravity							:	0.8	1.4
Flash Point							:	200	200
VOC							:	0	0
Suspended Solids								0	0
Settleable Solids		•			•		:	0	0
Dissolved Solids							:	0	0
BTU's / Lb							:	1	2000
Ash							:	0	0
Water Solubility							:	0	0
Free Liquid	_		_			_	:	95	100

Packing	Label	Label	Label	Label
Group	1	2	3	4

Ι 6.1 II 6.1 8

Waste Components Chemicals

Chemical	Description
434	ARSENIC
495	BARIUM (ELEMENT)
1211	CHROMIUM
3286	LEAD
4029	PHENYLTHIOUREA
4535	SODIUM
4555	CADMIUM (METAL)
5295	WATER

5963 SILVER

99999 CYANIDE

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Appendix Print Approval Details Facility: TWI Technology: 040

Waste Components Chemicals

Chemical Description

99999 FLUORIDE 99999 ZINC (ALL METALS LISTED, II

ZINC (ALL METALS LISTED, IE ARSENIC, BARIUM, ETC) ARE RESENT AS CATIONIC SPECIES.

#### Waste Stream Waste Codes

EPA Waste D002 D003 D004 D005 D006 D007 D008 D010 D011 D014 F001 F002 F003 F004 F005 F006 F007 F008 F009 F011 F012 F012 F019 F032 F034 F035 P093	Code	Seq 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	:
P106		0	
U051		0	
U240		0	
U279		0	

<sup>\*\*</sup> END OF REPORT \*\*

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# Onyx Environmental Services, LLC AppendixL GENERATOR'S WASTE PROFILE SHEET

Profile # TWI CI5789

GEN	ERAL INFORMATION		
1.	Generator Name: PHILIP SERVICES CORP	_ Generator USEPA ID:	WAD020257945
2.	Generator Address: <u>1701 ALEXANDER AVE</u>	_ Billing Address: ( ) Same	PHILIP SERVICES CORP
		(_) Same	734 S LUCILE ST
o 1	TACOMA WA 98421-4106 Technical	_	
٥.	Contact/Phone:	- Dilling	SEATTLE WA 98108-2631
4.	Alternate Contact/Phone:	Contact/Phone:	
	PERTIES AND COMPOSITION Process Generating Waste: CYANIDE CONSOLIDATION FROM OUTSIDE	F SOURCES	
	Waste Name: CYANIDE MIXTURE SOLUTION		
ป 7 <b>A</b> .	Is this a USEPA hazardous waste (40 CFR Part 261)? Yes () Identify ALL USEPA listed and characteristic waste code no	X) No (_) umbers (D,F,K,P,U): <u>D</u>	0002 D003 D004 D005 D006 D007 D008 D010 D011
_	F001 F002 F003 F004 F005 F006 F007 F008 F009 F011 F012 F0	<u>19 P093 P106</u> S	state Waste Codes: <u>090001</u>
8.	Physical State @ 70F: A. Solid(_) Liquid( $X$ ) Both(_) Gas(_) {	B. Single Layer ( <u>X</u> ) M	ultilayer (_) C. Free liq. range <u>95</u> to <u>100</u> %
ξ 9Α.	pH: Range 12.5 to 14.0 or Not applicable (_) B. Strong (	Odor (_);describe	·
		2 4005 4 3 2005 4	
	Liquid Flash Point: < 73F (_) 73-99F (_) 100-139F (_) 140	_	_
:	CHEMICAL COMPOSITION: List ALL constituents (incl. haloger Constituents		ent in any concentration and forward analysis inge Unit Description
	CYANIDE	0.1 t	20 10 %
-	WATER	50 t	80 99 %
5 5	FLUORIDE	<u>0 t</u>	0.1 %
5	NON-TRI CHEMICALS	0 t	.o 25 <u>%</u>
9 	ORGANICS, REGULATED AND NON - REGULATED.	t	
;	INERT INORGANIC SALTS TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):	0 t	so 15 % See attach 150.100000
12. a.	OTHER: PCBs if yes, concentration N ppm, PCR Radioactive (_) Benzene if yes, concentration Carcinogen (_) Infectious (_) Other	ppm. NES	R 761 (_). Pyrophoric (_) Explosive (_) SHAP (_) Shock Sensitive (_) Oxidizer (_)
13.	If waste subject to the land ban & meets treatment standard	ds, check here: _ & s	supply analytical results where applicable.
	PPING INFORMATION PACKAGING: Bulk Solid (_) Bulk Liquid ( <u>X</u> ) Drum (_) Type/S	Size: <u>TANK</u>	Other
15.	ANTICIPATED ANNUAL VOLUME: 5000 Units: GALLONS	Shipping	Frequency: WEEK
SAM 16a	PLING INFORMATION . Sample source (drum, lagoon, pond, tank, vat, etc.):		Sample Tracking Number: 5613156
	Date Sampled: Sampler's Name/Company:		
16b	. Generator's Agent Supervising Sampling:	17	7. (_) No sample required (See instructions.)
		<u> </u>	

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize any Environmental to obtain a sample from any waste shipment for purposes of recertification.

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18. This is a Nonwastewater.

ĩ9.	If this waste is	subject	to any	California	list	restrictions	enter	the '	letter	from below	(either	A or	B.1)	next	to
	each restriction	that is	applic	able:											
				HOCs,	PCBs	s, Acid,	Met	als,	Cy	/anides					

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

-	A. US EPA HAZARDOUS	B. SUBCATEGORY Enter the subcategory descript	tion.		C. APPL	ICABLE TREATMENT STANDARDS	D. HOW MUST THE WASTE BE	
REF #	WASTE CODE(S)	DE(S)  If not applicable, simply check none			CE- licable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s)	MANAGED? Enter letter from below	
		DESCRIPTION Non-CWA, Non-Class 1 managed	NONE	268.41(a) 268	3.43(a)	268.42		
1	D002	corrosive char. wastes				DEACT	Α	
2	D003	REACTIVE CYANIDES	-				Α	
3	D004		χ				Α	
4	D005		χ				Α	
5	D006		Х				Α	
6	D007		X				Α	
7	D008		Х				Α	
8	D010		Х				Α	
9	0011		X			<u> </u>	Α	
10	F001		χ			INCIN	A	
11	F002		X			INCIN	A	
12	F003		Х			INCIN	A	
13	F004		χ			INCIN	A	
14	F005		Х			INCIN	Α	
15	F006		X				Α	
16	F007		Х				Α	
17	F0 <u>08</u>		<u> </u>				A	
18	F009		Х				Α	
19	F011		χ				Α	
20	F012		\ X				Α	
21	F019		Х				Α	
22	P093		Х			INCIN	Α	
23	P106		X				А	
_								

	Management under the land disposal restrictions:  A. RESTRICTED WASTE REQUIRES TREATMENT
2	B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS
Ť.	B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
	B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD
	B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD
	C. RESTRICTED WASTE SUBJECT TO A VARIANCE
`,	D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
	E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS
į1.	Is this waste a soil or debris? No: $\underline{X}$ Yes, Soil: _ Yes, Debris: _
2 <b>2</b> .	Specific Gravity Range: <u>800</u> to <u>1.400</u>
23.	Indicate the range of each: Units
•	Cyanides: <u>0.1</u> to <u>10.0</u> <u>%</u> Type (free, total, amenable, etc.) <u>TOTAL</u>
. '	Cyanides:          to          Type (free, total, amenable, etc.)
1	Sulfides:         < 3
9	Optional           Phenolics: < 10
24.	Identify the waste color $\underline{\sf BROWN}$ TO $\underline{\sf VARIES}$ , $\underline{\sf DOT}$ physical state $\underline{\sf Liquid}$ ,
	and physical appearance LOW VISCOSITY TRANSLUCENT TO OPPOLIE

BUSINESS: PHILIP SERVICES CORP

**NEIC VP0972E01** 

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Version 06.04 TWI-CI5789

Veolia ES Technical Services

Sauget, Illinois

NUMBER....: 103-4-349

PHONE . . . . . . . :

SELLING REGION LAB - MRL

```
ADDRESS 1: 1701 ALEXANDER AVE
                                                                           EXPIRES..... 12/02/07
ADDRESS 2:
                                                                           STATUS..... APPR FOR SERV
CITY/ST ..: TACOMA
                                WA 98421-4106
                                                                           FEDERAL EPA ID: WAD020257945
                                                                           STATE EPA ID..:
CONTACT..:
                                                                           EPA STATUS....: CHK RESTRICT
WASTE NAME: CYANIDE MIXTURE SOLUTION
                                                                           SALES OFFICE..: PTA
PROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)
                       CHEMICAL COMPOSITION
                                                                         MIN
                                                                              - MAX
                                                                                      UNIT DESCRIPTION
CYANIDE
                                                                                   10 %
                                                                          0.1
WATER
                                                                           50
                                                                                    99 %
FLUORIDE
                                                                            0
                                                                                   0.1 %
MON-TRI CHEMICALS
                                                                            a
                                                                                    25 %
    ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
                                                                             0
                                                                                    15 %
    ARSENIC
    BARIUM
    CADMIUM
    LEAD
    ZINC
CHROMIUM
3 Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.
CIT METALS
            TCA OR TOTAL
                                                                PHYSICAL CHARACTERISTICS
               < 200
Käökel as Ni
                                               Physical State...: Liquid
                                ppm
Thallium as Tl < 200
                                               Flash Point....: > = 200
                                ppm
Firstenic as As < 200
                                ppm
                                               pH..... 12.5 - 14.0
               < 200
Elisium as Ba
                                               Color..... BROWN TO VARIES
                                ppm
Saomium as Cd < 200
                                ppm
                                               Odor..... NONE
                                               Layers..... Single Layer
enromium tot Cr < 200
                                ppm
                                               Specific Gravity.: 0.800 - 1.400
Lead as Pb
             < 100
                                ppm
Mazeury as Hg < 0.1
                                ppm
                                               Free Liquids....: 95 - 100
                                               Cyanides....:
                                                                             0.1 To
                                                                                              10.0 %
Silver as Ag < 200
                                ppm
                                                                                                             TOTAL
Autimony
              < 200
                                ppm
                                               Sulfides..... < 3
                                                                                                   PPM
                                                                                                             TOTAL
              < 200
                                ppm
                                               PCB's..... N/A
                                                                                 ppm, Regulated by 40 CFR 761:
Earyllium
Potassium
            < 2000
                                ppm
                                               Phenolics....: < 10
                                                                                                   PPM
Sodium
                  57800
                                mag
                                               % Taxable....:
                                                                           DOT UN/NA NBR: UN2927
             < 200
                                               Treatment Codes..: T07
Vanadium
                                ppm
Selenium as Se < 100
                                mg/1
                                               CRQ RPT QTY..... 1
                                                                            Material Class:
Chromium Hex < 500
                                mg/l
                                               EPA Permit....:
                                                                                    EXP:
                                               Hazard Class....: 6.1
                                               State Codes....: 090001
                                               Benzene ....:
                                                                                  NESHAP:
                                               Packing Group...: II
. :
                                               Process Codes....: BLL
5 B
                                               Cert of Dstrct Rq: Y
3. 25
341
Réderal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +
The.
A2.24
Barr
                                          HANDLING
FBR GREEN GLOVES
                                 N-DEX INNER GLOVE
                                                                  SARANEX
                                 PVC YELLOW OVR BOOT COVER
WYPE C RESPIR CONST FLOW
Sugar.
DEDEX/BLUE NITRILE INNER GLOVE
dontains cyanides - DO NOT MIX W/PH <6
SANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD
                                       DOT PROPERTIES
                                                           Flammable: 0
Inhalation: 2
                       Dermal: 2
                                           Oral: 2
                                                                                 Health: 0
£1.8
                                           SUMMARY
Waste Type
                                      B119
                                      1
Form Code
                                           COMMENTS
CHARGE CODE: NS
                                                F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
UNTIL FURTHER NOTICE.
                                                BILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
WOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A
WEIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
PREROCHEM
                                                DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF
Acres
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Va. Report: R7008 MATE: 01/27/05 PROFILE: CI5789

#### ONYX ENVIRONMENTAL SERVICES, LLC waste profile summary additional L

Version 01.00 APENDIX PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents Not included on Waste Profile Summary Report

Chemical Composition

MIN - MAX UNIT DESCRIPTION

SODIUM

COMMENTS

END

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 $\mathbb{R}_{k,\frac{1}{2}}$ W €. N. Car 4:1

Ö

4 % Le L Rad 2.4 44.7 14

10

140 8. 7.14 16.3 3-100

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE

PRESENT AS CATIONIC SPECIES.

PHENYLTHIOUREA

1 %

COMMENTS

Not included on Waste Profile Summary Report

\_\_\_\_\_\_

1031182. SEATTLE WA SHIPMENTS GETS BILLED TO KENT WA. DEDIVERY 12-2-02 - IF P-LISTED REJECT P LISTED

GUSTOMER CARRIE ALLEN.

ដីម៉ស់ to restraints of sodium contents effect 6-1-01 REVIEWED FOR MACT METALS BES.

RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER pe on file exp 6-1-05. Customer pays blh pricing

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Veolia ES Technical Services Sauget, Illinois

TRACKING #: 5613156 PRIORITY: 97
PROFILE #: C15789 DATE RECD: 1/20/05
GENERATOR: PHILIP SERVICES CORP
WASTE CATEGORY CODE:
DESCRIPT: CYANIDE MIXTURE SOLUTION

PHYSICAL	DESCRIPTION	WORKSHEET
----------	-------------	-----------

Receiver	#	
----------	---	--

Received	Date	
----------	------	--

DRUM	# SIZE/TYPE	0/P	COLOR/DESCRIPTION	% FULL	% SOLID	%LIQUII
1						
2				<u> </u>		
3						
4		-				
5						
6						
7						
8						
9 		·				
10						
11 :					-	
12						
13						
14						
15 ———						
16 ———						
17 ————						
L 9			:			
20						

TECHNICIAN	SIGNATURE	· <u> </u>	·	·	DATE	
LOCATION _	· · · · · · · · · · · · · · · · · · ·	COMMENTS _		· .		 

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# TWI LABORATORY ANALYSIS REPORT

TRACKING 1: 5613150 PROFILE 1: C15789 GENERATOR: PHILIP WASTE CATEGORY CO DESCRIPT: CYANIDE RECEIVER #: MANIFESTW:	SERVICES DE: HISTORE SOLUTION		X) DIOXIN PRECUR ) VISUAL INSPECT ) VISUAL INSPECT ) INSPECT OUTER	REQUIRED LS AS SPECIFIED BELC SOR ANALYSIS REQ TION ONLY 5% TION: GLOVE BOX/T DRUM ONLY - DO N REFY ORIGINAL CONS IFO ON PDW E REQUIRED	UIRED 100% HOODED FEI OT OPEN - C	EDER MTS BELOY	<b>.</b> .
No. DRUMS:			As 200	DRUM STORAC	E COMPAR	4 Park 1979 /	<u> </u>
DATE:			Be Zco				
				Profiled DOT Ha		78	
SAMPLER SIGN.		<del>_</del>	Cd 6470 Cr 200	P=PAS	F=FAIL		
SAMPLE NUMBER			Hg O	8A 8B		4/5	
Drum No.			Pb_200_				
				77.07.	<del></del> _		
Free Liquid (%)	<u> </u>		Ash 1,98_	PROFILE	CONFORMS	DATE	TIM
Pumpable	YES NO	<del></del>	T	_	YES NO		
Layers/Phases -% Ea.	1%	2%	3%		<u> </u>		
Turbidity	N/A Traf Trak O	N/A TP TL O	NA TP TL O			4	
Viscosity	NA L M H	NA L M H	N/A L M H	(1) M H N/A	18		
Physical State	Liq Solid Sludge Semi-		Liq Sol Sig Sa	IL) M H N/A			
Water Miscibility	Misc Part Floats Sinks Er		MPFSE				
Add. Description:				<u> 1830 - 1832 - 1835 - 1835 - 1835 - 1835</u>	M3 - 88 - 28 17 17 - 1		
Water Reactivity	( ) NO RXN	( )RXN:	<del></del>	000000000000000000000000000000000000000	Les commences a		
Radiation Screen	( ) ≈BKG	( )>BKG:		. <b>-BK</b> G	<u> </u>	<del></del>	
Flam. Pot. Screen	( ) Neg	()Pos ()B(	OC	See Flashpoint			
oH Screen	( ) 100% ( )	10%		2 2-12.5 (-12.5			
Oxidizer Screen	( ) Neg	( )Pos					
Paint Filter Test	( ) Pass	( )Fail ( )V-F					
Cyanide Screen	( ) Neg	( )Pos	( )N/A				
Sulfide Screen	( ) Neg	( )Pos	( )N/A				
ncidental odor Specific Gravity	( ) No	( ) Yes:			Section (Section)		
BTU/LB				۱۳۰ - ۱۳ - ۱۳			
6 Choride				<3000 <5			
lash Point deg. F				<73 <140 (140 N/A		+	
CBs By GC mg/kg				<50ppm			
CBs-Screen ppm				<50ppm	<del></del>		
,4,5-T/Silvex ppm					· · ·		
CP Screen ppm	( )K	T ()GC					
H by Meter ) PCB waived. Does not meet PCB	( )10	0% ()10%					
	X) Reference Tracking#/S Is below site action levels - See Tech, Manager File.  < 17.5 h ALKAUM  WAR-C CONSTITUENTS BY: COMMENTS: mix with pH <6 ( ) Benze	( ) PCB analysis to be deter 	for snalysis.  Equired ( ) Run on a runned upon visual instants.  Fig. 1-27-05  avoid contact with racid: ( ) Cert. ( ) 1	pection of waste			

This report has been prepared for the exclusive use and benefit of Waste Mgmt. No representation concerning sample validity or analytical accuracy or completeness is hereby made to any other person receiving this report. This sample was collected according to applicable SW-846 procedures.

FPFM998.XLS XS

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION	26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available)
TOTAL	RANGE
Beryllium as Be < 5000 pp	m A. Heat Value (Btu/lb):12000
Potassium as K <u>10000</u> pp	m B. Water:
Sodium as Na <u>88000</u> pp	m C. Viscosity (cps):@F _ 100 F _ 150 F
Bromine as Br < 5	D. Ash: %
Chlorine as Cl < 5 %	E. Settleable solids: %
Fluorine as F < 5	F. Vapor Pressure @ STP (mm/Hg):
Sulfur as S < 5 %	G. Is this waste a pumpable liquid? Yes $\underline{X}$ No _
	H. Can this waste be heated to improve flow? Yes $\_$ No $\underline{X}$
	I. Is this waste soluble in water? Yes $\underline{X}$ No _
	J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes $\underline{X}$ No _
27. TRANSPORTATION INFORMATION	
A. Is this a DOT Hazardous Material? Yes $\underline{X}$ No $\underline{\hspace{0.2cm}}$	
B. Proper Shipping Name WASTE TOXIC L	IQUIDS, CORROSIVE, ORGANIC, N.O.S
and Additional Description if required: (CYANIDE, ARS	ENIC)
RQ(D004)	
C. DOT Regulations: <u>United Nations</u> Hazard Class: <u>6.1</u>	Poisonous materials I.D. <u>UN2927</u> Packing Group: <u>II</u>
D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): _	1 Lb
E. Non-Bulk code 202 Bulk code 243	
F. Special Provisions T42	
G. Labels Required POISON OR TOXIC CORROSIVE	
28. SPECIAL HANDLING INFORMATION	
INDEX/BLUE NITRILE INNER GLOVE	
CONTAINS CYANIDES - DO NOT MIX W/PH <6	
CANCER SUSPECT AGENTS: ARSENIC, CADMIUM, LEAD	
<del></del>	
_ Material Safety Data Sheets Attached	
9. OTHER INFORMATION	
GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WASTE N	UST CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION.	
ONLY ENVIRONMENTAL SERVICES CERTIFICATION	·

Onyx Environmental Services, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

METALS	TCLP Information: Check only ONE for each constituent Use units: ppm, mg/l			TCLP Data		TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent California List						
	Less Than	TC Regulated Level	Equal or More	Waste No.	TCLP Actual	Less Than	Regu	nia Lis lated vel	Equal or More		Actual	
Arsenic as As		5.0 mg/l	х	D004			500	mg/l_		<200		ppm
Barium as Ba		100.0 mg/l	Х	D005						<200		ppm
Cadmium as Cd		1.0 mg/1	Х	D006			100	mg/l		<200		ppm
Chromium tot Cr	_	5.0 mg/1	Х	D007						<200		ррт
Lead as Pb		5.0 mg/1	X	D008			500	mg/l		<100	_	ppm
Mercury as Hg	X	.2 mg/1		D009			20	mg/l		<0.1		ppm
Selenium as Se	X	1.0 mg/l		D010		Х	100	mg/l				
Silver as Ag		5.0 mg/l	х	D011						<200		ppm
Nickel as Ni							134	mg/1_		<200		ррп
Thallium as Tl						Х	130	mg/l		<200		ppm
Chromium Hex						Х	500	mg/1_	<u> </u> 			
Antimony	_									<200		ррт
Beryllium										<200_		ppm
Copper								_				
Vanadium										<200		ppm
Zinc												
Potassium										<2000		ppm
Sodium	_									57800		ppm
:												
ł												

Profile # TWI CI5789

# Appendix L

### 32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

ORGANICS	Check o	TCLP Informa nly ONE for e	ach coi	nstituent	TCLP Data	TCA or TOTAL Use units: ppm, mg/l or S		
	Less Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l			
Benzene	Х	0.5 mg/l	,	D018				
Carbon Tetrachloride	X	0.5 mg/l		D019				
Chlordane	Х	0.03 mg/1		D020				
Chlorobenzene	Х	100.0 mg/l		D021				
Chloroform	Х	6.0 mg/1		D022				
m-Cresol	X	200 mg/l		D024				
o-Cresol	Х	200.0 mg/l		D023	<del></del>			
p-Cresol	Х	200.0 mg/l		D025	<del></del>			
Cresol	Х	200.0 mg/l		D026				
2.4-D	Х	10.0 mg/l		D016	<u> </u>			
1,4 Dichlorobenzene	Х	7.5 mg/l		D027				
1,2-Dichloroethane	Х	0.5 mg/l		D028				
1,1-Dichloroethylene	Х	0.7 mg/l		D029	_			
2,4-Dinitrotoluene	Х	0.13 mg/l		D030				
Endrin	X	.02 mg/l		D012				
Heptachlor, & Hydroxide	Х	0.008 mg/1		D031				
Hexachloro-1,3 Butadiene	Х	0.5 mg/l		D033				
Hexachlorobenzene	X	0.13 mg/l		D032				
Hexachloroethane	X	3.0 mg/1		D034	<u> </u>			
Lindane	Х	0.4 mg/l		D013				
Methoxychlor	Х	10.0 mg/l		D014				
Methyl Ethyl Ketone	Х	200.0 mg/l		D035		-		
Nitrobenzene	X	2.0 mg/l		D036				
Pentachlorophenol_	X	100.0 mg/l		D037	_			
Pyridine	X	5.0 mg/l		D038				
Tetrachloroethylene	X	0.7 mg/l		D039				
Toxaphene	X	0.5 mg/1		D015				
2,4.5-TP Silvex	X	1.0 mg/l		D017				
Trichloroethylene	X	0.5 mg/l		D040				
2,4,5-Trichlorophenol	Х	400.0 mg/l		D041				
2,4,6-Trichlorophenol	X	2.0 mg/l		D042				
Vinyl Chloride	X	0.2 mg/l		D043				
<u> </u>	_							

Date Printed <u>01/27/05</u>	,	Appendix L	Profile # <u>TWI CI5789</u>
ÀTTACHMENT 2			<u> </u>
CHEMICAL COMPOSITION: Addition constituents	al constituents NOT included	on page 1 of the Waste Profile Range Unit Description	
ARSENIC		to	
BARIUM		to	
CADMIUM		to	
LEAD		to	
ZINC		to	
CHROMIUM		to	
SILVER		to	
SODIUM		to	
COMMENTS		to	
METALS LISTED UNDER "INER"	T INORGANIC SALTS" ARE	to	
PRESENT AS CATIONIC SPECI	ES.	to	
HENYLTHIOUREA		0 to1 %	
HC Constituent	Management Method		
(yanides (Total)	<u>A</u>		
yanides (Amenable)	<u>A</u>		
Arsenic	<u>A</u>		
Cadmium	<u>A</u>		
Chromium (Total)	<u>A</u>		
i Lead	<u>A</u>		
Selenium	<u>A_</u>		
Silver	<u>A</u>		
Solvent Constituent	Management Method		

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#### MISCELLANEOUS PROFILE FIELDS

elling Region Lab: MRL aster Profile No.: PTA-NC ales Office : PTA ocation Orig : PTA rofile Expires . : 12702/07 pproved : 1/27/05 igned Profile Present: Y Change Pending: N Waste Status: A ite (DCS) Status: Z REQ FOR DCS DOWNLOAD rof. Tracking No: 5613156
uels Approval.:
andling Codes: 62 NBR GREEN GLOVES 64 SARANEX 0F PVC YELLOW OVR BOOT COVER  80 N-DEX INNER GLOVE TYPE C RESPIR CONST FLOW
PA Data: Status Code: C Tax Code: _ ermit No: Expr. Date.: Volume: ertificate of Destruction or Disposal Required ? Y Project # : OT Properties: Inhalation: 2 Dermal: 2 Oral: 2 Flammable: _ Health: _
ranship Dest .: Download Generator: \frac{10}{1034349} \\ aterial Class: DCS Generator #: \frac{5841034349}{5841034349} \\ reatment Codes: TO7 \\ rocess Codes : BLL \\ chedule Interval : \\ isted Solvent Waste: Water Reactive: Pesticide Mfg. Waste: \\ gnition Screen : Gas Evolution : Wet Zone: \\ elf-heating cube sz \\ S Gas Ignitable? \\ hemical Family Name \end{arrange}  No. of Labels \\ Download Generator: \frac{10}{1034349} \\ DCS Generator #: \frac{5841034349}{5841034349} \\ DCS Generator #:
ENERATOR FROM PAGE 1 usiness Name USEPA ID Rltn Contract in Place at Expires on Evergreen Contract HILIP SERVICES CORP WAD020257945 G
DDITIONAL BUSINESSES  usiness Name
DITIONAL PROFILE COMMENTS  at Comment SR REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH SR REVIEWED FOR PHASE II LDR SR K/RECERT BLL 8-8-04 AFS TWI SR SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00 SR THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY SR DELIVERY 4-22-02 REQUIRES TRIPLE RINSE WISED PTA ANALYSIS FOR MACT METALS SC BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. SC DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF SC CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A SC PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND SC RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER SC REVIEWED FOR MACT METALS SC
UPPLEMENTAL FIELDS ield Value STTP B119 RMCD I PCDI M041

This section lists comments describing changes made to the profile.

Profile Change Comments	Date	User
MRL/BP3414 Entire profile copied to MRL/CI5789	1/19/98	WM0911TTT
/	1/19/98	WM0911TTT
TWI APPROVAL	2/04/98	WM0911TTT
MRL/CI5789 Entire profile copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WM0911TTT
χ	2/04/98	WM0911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	5/21/98	WM0911CAT
ADDED D005 AND D009 (LOW HG <260 PPM) PER MANIFEST	5/21/98	WM0911CAT
RECEIPT AND LAN BAN	5/21/98	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	5/21/98	WM0911CAT
LHB/ Added Cyanokem- Philip location per Mike	7/30/98	WM0233LHB
Ulendorf of Philip in Renton, WA	7/30/98	WM0233LHB
MRL/CI5789 Core Profile Info copied to TWI/CI5789	1/26/99	WMO346RJL
PTA RECERT.	1/26/99	WM0346RJL
MRL/CI5789 Change Log copied to TWI/CI5789	1/26/99	WM0346RJL
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/28/99	WM0911KES
REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER	10/28/99	WM0911KES
NOTICE.	10/28/99	WM0911KES
MRL/CI5789 Change Log copied to TWI/CI5789	10/28/99	WM0911KES
ADDED 1009166 AŠ A GENERATOR	2/11/00	WM0233JLM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/12/01	WMO911KEM
UPDATED FOR TWI RECERT	3/12/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	3/12/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01	WM0911KEM
ADDED P093 PER CUSTOMER	10/31/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	10/31/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01	WM0911KEM
ADDED PHENYLTHIOUREA 0-1% PER CUSTOMER.	10/31/01	WM0911KEM
MRL/CI5789 Change Log copied to TWI/CI5789	10/31/01	WM0911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/31/04	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	3/31/04	WM0911CAT
X	1/20/05	WM0911CRW
MRL/CI5789 Core Profile Info copied to TWI/CI5789	1/27/05	WM0911CAT
removed D009 per Cynthia Williams who got the ok	1/27/05	WM0911CAT
from the customer	1/27/05	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789	1/27/05	WM0911CAT

NEIC VP0972E01

Date Printed 1/27/05

#### Schedule Categories

Profile # TWI CI5789

Description Low BTU Bulk Liqui

Container

Tank Trucks

#### Pricing Comments

Disposal Price
- \$0.15 per pound, \$2,000.00 minimum per shipment

- applies - Illinois Hazardous Fees: \$.03 per gallon or \$6.06 per cubic yard.

Transportation Price
- N/A customer to provide
- Characterization & unknowns are priced upon request. Pricing Conditions

Pricing Conditions
- Tanker Rinseout & Heel Removal Fees:
- \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
- \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
- \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
- \$1,000 minimun tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated

difficult to remove materials will be evaluated

on a case-by-case basis.

Discrepant material will be surcharged on a case-by-case basis.

Date 1/27/05 Time 14:57:39

## WASTE MANAGEMENT DECISION Appendix L

## Location of Original MIDWEST REGIONAL LAB

ĭ.		nerator and Facility Information	Tracking #: 5613156 Priority : 97 Profile # : CI5789 Date Received: 01/20/05 Effective Date: 01/27/05
- :		rision Site TRADE WASTE INCINERATI  possed Management Facility TRADE WASTE INCINERATI	Generator : PHILIP SERVICES CORP Waste Category Code:
	***	This Decision is APPROVED	Description : CYANIDE MIXTURE SOLUTION
II.	Dec	cision to Deny Approval for Management of Waste	
	Rea	ason for Denying Approval	
··			
Fina	l Ap	oproval Name (pr	int) Date
III.	Dec	cision to Approve	
	a)	Approved Management Methods Incineration	
• •	b)	Precaution Conditions or Limitations on Approval	
ĭ		(1) Site Conditions	*** ***
		(2) <u>Contracting Conditions</u>	
£		<ul> <li>(3) Site and Contracting Conditions         <ul> <li>Bulk liquids: Material which cannot be</li> <li>Bulk shipments must be pumpable with a a 1/8" screen.</li> <li>Notification &amp; Certification form must</li> </ul> </li> <li>DOT approved containers.         <ul> <li>manifest.</li> </ul> </li> </ul>	offloaded will be returned to the generator. centrifugal pump and solids must pass through  - A signed and completed Land Disposal accompany each shipment. (copy enclosed)  - All shipments must be made using an Illinois
	c)	Analytical Requirements for Each Load MANDATORY ANALYSIS PER WAP	
3 .	d)	Decision Expiration Date 12/02/07	
IV.		nal Decision Lite any Additional Precautions, Conditions, or Limit	ations
Fina	l Ap	pproval Name (pr	int) CAROLYN THIERFELDER Date 01/27/05
j.			

## Appendix Laboratory Analysis Report

Receiver #: 226983

# of Drums: 1 Date: 12/2/2002 Profile #: CI5789

Generator: PHILIP SERVICES CORP Descript: CYANIDE MIXTURE SOLUTION

Process Code(s): BLL

Dioxin Precursor Analysis Required Sample Required

**Drum Storage Compatability** 

Profiled DOT Hazard Class 6.1

P = Pass F = Fail

8A 8B 4/5

Sample Number	207326	IL04116707			l		SA 6E		_ 4/5		
Drum Rep / Comp	BULK/0										
Free Liquid (%)	100					Profile		Con	form	Date	Initials
Pumpable	YES		2073	26			77777	Yes	No	12/02/02	SW
Layers/Phases -% Ea.	100						<i>HHH</i>		11		_
Color	brown						<i>††††</i>	11	17		
Turbidity	opaque		<del>-</del>			111	11111	11	17		
Viscosity	low					L			х		
Physical State	liquid		_						11		
Water Miscibility	Misc						11111	11	11		
Add. Description		,						. X . X	<u> </u>		-
Water Reactivity	No RXN								$\mathcal{H}$		
Radiation Screen	≠BKG					=BKG			х		
Flam. Pot. Screen	NEGATIVE					See F	lashpoint		х		
pH Screen	>12.5 at 1	100 pent				>12.5			х		
Oxidizer Screen	NEGATIVE			As	0	Hg	0				
Paint Filter Test	V-Fail			Ве	0	К	0	11	11		
Cyanide Screen	POSITIVE			Cd	0	Na	0	11	11		
Sulfide Screen	NEGATIVE			Cr	0	Pb	0		11	_	
Incidental Odor	No			<u> </u>					11		
Specific Gravity	1.13					0.800	- 1.400	11	11	12/02/02	SW
BTU/Lb	<500					1 -	2000	11	11	12/02/02	AC
% Chloride	<0.50					5 - 0			11	12/02/02	AC
Flash Point - Deg F				_		>140	)	11	11	01/01/00	
PCBs By GC - mg/kg		-			_	<50pp	m			12/02/02	
PCBs-Screen - ppm			_		-	<50pp	m			01/01/00	
2,4,5-T/Silvex - ppm	/							1//		01/01/00	
PCP Screen - ppm								X		01/01/00	
pH by Meter									11	01/01/00	

Dioxin Precursor analysis results below site action levels

Additional Comments: PH MAY BE <12.5, ALKALINITY VARIES Profile Review for Appendix WAP-C Constituents by: CAK

Date: 12/19/2002

Contains Cyanides - DO NOT mix with pH <6

Add. Comments: CARCINOGENS - ARSINIC, CADNIUM, LEAD

## APPWPi⊻aboratory Analysis Report

Receiver #: 194799

# of Drums: 1 Date: 4/22/2002 Profile #: CI5789

Generator: PHILIP SERVICES CORP Descript: CYANIDE MIXTURE SOLUTION

Process Code(s): BLL

Dioxin Precursor Analysis Required Sample Required

**Drum Storage Compatability** 

Profiled DOT Hazard Class 6.1

P = Pass F = Fail

8A\_\_\_\_\_8B\_\_\_\_4/5\_\_\_\_

Sample Number	198231 IL04116706						
Drum Rep / Comp	BULK/0						
Free Liquid (%)	100			Profile	Conform	Date	Initials
Pumpable	YES	198231			Yes No	04/22/02	DK
Layers/Phases -% Ea.	100						
Color	brown						
Turbidity	transparent						
Viscosity	low			L	x	_	
Physical State	liquid						
Water Miscibility	Misc					,	
Add. Description		·					
Water Reactivity	No RXN						
Radiation Screen	=BKG			=BKG	x		
Flam. Pot. Screen	NEGATIVE			See Flashpoint	х		
pH Screen	12 at 100 pcnt			>12.5	х		
Oxidizer Screen	NEGATIVE	As	0	Hg 0			
Paint Filter Test	V-Fail	Ве	0	<b>K</b> 0			
Cyanide Screen	POSITIVE	Cd	0	Na <sup>0</sup>			
Sulfide Screen	NEGATIVE	Cr	0	Pb 0			
Incidental Odor	No		· · · · · · · · · · · · · · · · · · ·				
Specific Gravity	1.12			0.800 - 1.400		04/22/02	DK
BTU/Lb	<500			1 - 2000		04/22/02	AC
% Chloride	<0.50			5 - 0		04/22/02	JS
Flash Point - Deg F				>140		01/01/00	
PCBs By GC - mg/kg				<50ppm		04/22/02	
PCBs-Screen - ppm				<50ppm		01/01/00	
2,4,5-T/Silvex - ppm	1					01/01/00	
PCP Screen - ppm						01/01/00	
pH by Meter						01/01/00	

Dioxin Precursor analysis results below site action levels Additional Comments: PH MAY BE <12.5, ALKALINITY VARIES Profile Review for Appendix WAP-C Consitituents by: CAK

Date: 12/19/2002

Contains Cyanides - DO NOT mix with pH <6

Add. Comments: CARCINOGENS - ARSINIC, CADNIUM, LEAD

# Appendix L TWI Laboratory Analysis Report

Receiver #: 186658

# of Drums: 1 Date: 11/19/2001 Profile #: CI5789

Generator: PHILIP SERVICES CORP Descript: CYANIDE MIXTURE SOLUTION

Process Code(s): BLL

Dioxin Precursor Analysis Required Sample Required

**Drum Storage Compatability** 

Profiled DOT Hazard Class 6.1

P = Pass F = Fail

				8A8B	4/5	5	
Sample Number	191651 IL04116705		l				
Drum Rep / Comp	BULK/0						
Free Liquid (%)	100	404654		Profile	Conform	Date	Initials
Pumpable	YES	191651			Yes No	11/19/01	AC
Layers/Phases -% Ea.	100						
Color	brown		<u> </u>				
Turbidity	transparent						
Viscosity	low			L	x		
Physical State	liquid						
Water Miscibility	Misc				1111		
Add. Description					<u> </u>		
Water Reactivity	NO RXN						
Radiation Screen	=BKG			=BKG	х		
Flam. Pot. Screen	NEGATIVE			See Flashpoint	х		
pH Screen	>12.5 at 100 pcnt			>12.5	х		
Oxidizer Screen	NEGATIVE	As	0	Hg 0			
Paint Filter Test		Be	0	K 0	1111		
Cyanide Screen	NEGATIVE	Cd	0	Na º	1111		
Sulfide Screen	NEGATIVE	Cr	0	Pb 0	1111		
Incidental Odor	No						
Specific Gravity	1.14			0.800 - 1.400		11/19/01	AC
BTU/Lb	550			1 - 2000	1111	11/19/01	GB
% Chloride	<0.5			5 -0		11/19/01	KC
Flash Point - Deg F		_		>140		01/01/00	
PCBs By GC - mg/kg				<50ppm		11/19/01	
PCBs-Screen - ppm				<50ppm		01/01/00	
2,4,5-T/Silvex - ppm	/					01/01/00	
PCP Screen - ppm				VIIIII	XXXX	01/01/00	
pH by Meter	13				XXXX	11/19/01	AC

Dioxin Precursor analysis results below site action levels Additional Comments: PH MAY BE <12.5, ALKALINITY VARIES Profile Review for Appendix WAP-C Consitituents by: CAK

Date: 12/19/2002

Contains Cyanides - DO NOT mix with pH <6

Add. Comments: CARCINOGENS - ARSINIC, CADNIUM, LEAD

## ATNVId⊻aboratory Analysis Report

Receiver #: 179022

 $\mathcal{C} \sim \mathcal{L}_{\mathrm{SM}}(\mathcal{L}_{\mathrm{SM}}) + (1 + 1)^{1/2} + (1 + 1)^$ 

# of Drums: 1 Date: 7/6/2001 Profile #: CI5789

Generator: PHILIP SERVICES CORP Descript: CYANIDE MIXTURE SOLUTION

Process Code(s): BLL

Dioxin Precursor Analysis Required Sample Required

#### **Drum Storage Compatability**

Profiled DOT Hazard Class 6.1

P = Pass F = Fail

A\_\_\_\_\_8B\_\_\_\_4/5\_\_\_\_

				8A8E	5 4/5	·——	
Sample Number	185744 IL04116754						
Drum Rep / Comp	BULK/0	11 8 1 8 1 8 M ( 1 8 8 8 9 8 M					
Free Liquid (%)	100			Profile	Conform	Date	Initials
Pumpable	YES	185744			Yes No	07/06/01	GB
Layers/Phases -% Ea.	100						
Color	brown				MI		
Turbidity	opaque				1111		
Viscosity	low .			L	х		
Physical State	liquid						
Water Miscibility	Misc				XXXX		
Add. Description							
Water Reactivity	NO RXN				MILL		
Radiation Screen	=BKG	<del></del>		=BKG	Х		
Flam. Pot. Screen	NEGATIVE			See Flashpoint	х		
pH Screen	>12.5 at 100 pcnt			>12.5	х		
Oxidizer Screen	NEGATIVE	As	0	Hg º	11111		
Paint Filter Test	V-Fail	Be	0	<b>K</b> 0	1111		
Cyanide Screen	POSITIVE	Cd	0	Na º	1111		
Sulfide Screen	NEGATIVE	Cr	0	Pb º	1111		
Incidental Odor	No				XXXX	-	
Specific Gravity	1.13			0.800 - 1.400	1111	07/06/01	GB
BTU/Lb	550			1 - 2000	11/1	07/06/01	TS
% Chloride	<.5	-		5 -0	1111	07/06/01	PE
Flash Point - Deg F				>140	1111	01/01/00	
PCBs By GC - mg/kg				<50ppm		07/06/01	
PCBs-Screen - ppm				<50ppm		01/01/00	
2,4,5-T/Silvex - ppm	/					01/01/00	
PCP Screen - ppm			-	1111111	11/1/	01/01/00	
pH by Meter	100 pcnt 12.5			1111111	11/1/	07/06/01	GB
	1			<u> </u>	<u> </u>		

Dioxin Precursor analysis results below site action levels Additional Comments: PH MAY BE <12.5, ALKALINITY VARIES Profile Review for Appendix WAP-C Consitituents by: CAK

Date: 12/19/2002

Contains Cyanides - DO NOT mix with pH <6

Add. Comments: CARCINOGENS - ARSINIC, CADNIUM, LEAD

## APPROVALS REQUEST FORM

CIRCLE ONE: AMENDMENT RECERT RUSH
REQUESTED BY: Garding DATE: 1-20-05
GENERATOR INFORMATION:
GENERATOR: Philip Sucs
GENERATOR CONTACT NAME:
GENERATOR PHONE & FAX:
PROFILE/WIP# CIST89 DATE REQUIRED:
REQUEST: 0xp 8/8/04
ADDITIONAL INFORMATION:
ADDITIONAL INFORMATION.
ROUTE BACK TO REQUESTER: YES NO
REQUEST APPROVED: YES NO
REASON NOT APPROVED:

REVISED 10/12/00 TC

```
Report: R7008
                                                                                                                TWI-CI5789
                                             WASTE PROFILE SUMMARY
DATE: 12/23/02
                                                                                                                 SELLING REGION LAB - MRL
                                                                                      NUMBER..... 102-5-022
HISINESS: PHILIP SERVICES CORP
                                                                                      PHONE..... 253/627-7568
MEPT..... ADDRESS 1: 734 S LUCILE ST
                                                                                      EXPIRES.....: 08/08/04
                                                                                      STATUS..... APPR FOR SERV
ADDRESS 2:
                                                                                      FEDERAL EPA ID: WADOO0812909
CITY/ST..: SEATTLE
                                     WA 98108-2631
                                                                                       STATE EPA ID.: 9530335007
CONTACT..: TIM SMITH
                                                                                       EPA STATUS....: CHK RESTRICT
WASTE NAME: CYANIDE MIXTURE SOLUTION
ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
                                                                                      SALES OFFICE ..: PTA
ADDL. DESC: (CYANIDE, ARSENIC)
                                                                                    MIN
                                                                                          - MAX
                                                                                                   UNIT DESCRIPTION
                           CHEMICAL COMPOSITION
                                                                                                 10 %
                                                                                      0.1
CYANIDE
                                                                                                 99 %
                                                                                       50
WATER
                                                                                        D
                                                                                                0.1 %
ELUORIDE
                                                                                                 25 %
                                                                                        D
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
                                                                                                 15 %
     ARSENIC
     BARIUN
     CADMIUN
     LEAD
     ZINC
                                                                                                                                 +
     CHRONIUM
 Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.
                                                                          PHYSICAL CHARACTERISTICS
               TCA OR TOTAL
                                                       Physical State...: Liquid
Nickel as Ni <
Thallium as Tl <
                 < 200
                   200
                                                                                                C\Gamma
                                                       Flash Point....: > = 200
                                     ppm
                    200
                                                       рн..... 12.5 - 14.0
Arsenic as As
                                     ppm
                                                       Color..... BROWN TO VARIES
                                     bbw
bbw
Barium as Ba
                 < 200
Cadmium as Cd
                 < 200
                                                       Odor..... NONE
                                                      Layers...... Single Layer
Specific Gravity: 0.800 - 1.400
Free Liquids....: 95 - 100
Chromium tot Cr <
                    200
                                     ppm
Lead as Pb
                   100
                                     ppm
                 < 0.1
Mercury as Hg
                                     ppm
                                                                                                            10.0 %
                                                                                                                              TOTAL
                 < 200
< 200
                                     bbw
bbw
                                                                                          0.1 To
Silver as Ag
                                                       Cyanides....
                                                                                                                   PPN
                                                       Sulfides..... < 3
                                                                                                                              TOTAL
Antimony
                                                                                              ppm, Regulated by 40 CFR 761:
                 < 200
                                                       PCB's..... N/A
Beryllium
                                     ppm
Potassium
                 <
                    2000
                                     ppm
                                                       Phenolics..... < 10
                                                                                                                   PPN
                                                       % Taxable....:
                                                                                       DOT UN/NA NBR: UN2927
Sodium
                    57800
                                     ppm
                 < 200
                                     ppn
                                                       Treatment Codes..: T07
Vanadium
                                                      CRO RPT QTY.....
                                     mg/l
Selenium as Se <
                    100
                                                                                         Material Class:
                    500
                                                                                                 EXP:
Chromium Hex
                                                       Hazard Class....: 6.1
                                                       State Codes....: 090001
                                                                                               NESHAP:
                                                       Benzene .....:
                                                      Packing Group....: II
Process Codes....: BLL
Cert of Dstrct Rq: Y
Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +
                                      HANDLING
N-DEX INNER GLOVE
NBR GREEN GLOVES
                                                                             SARANEX
TYPE C RESPIR CONST FLOW
                                      PVC YELLOW OVR BOOT COVER
INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD
                                             DOT PROPERTIES
Inhalation: 2
                           Dermal: 2
                                                                     Flammable: 0
                                                                                              Health: 0
                                                 SUMMARY
Waste Type
                                            W119
Type Code 1
                                            H040
                                                 COMMENT
CHARGE CODE: NS
                                                        FO39 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
                                                        BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. CODE IS APPLICABLE IF SO FIND OUT IF THEY WANT A
UNTIL FURTHER NOTICE.
NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
TRIPLE RINSE OR IF THE WANT RESIDUE REJECTED BACK PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND
PETROCHEN NEIC VP0972E01
                                                        DETROIT SHIPMENTS GET BLLLED TO DETROIT BIFF
                                                                                                              Veolia ES Technical Services
```

ONYX ENVIRONMENTAL SERVICES, ALLGENDIX L

Version 06.04

Sauget, Illinois

Report: R7008/02 ROFILE: C15789

## ONYX ENVIRONMENTAL SERVICES ILC WASTE PROFILE SUMMARY ADDEMINED LICE

Version 01.00 PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents Not included on Waste Profile Summary Report Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER SODIUN

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE PRESENT AS CATIONIC SPECIES.

HENYLTHIOUREA

1 %

**COMMENTS** 

Not included on Waste Profile Summary Report

1021182. SEATTLE WA SHIPMENTS GETS BILLED TO

ELIVERY 12-2-02 - IF P-LISTED REJECT P LISTED

CUSTOMER CARRIE ALLEN.

CUSTOMER CARRIE ALLEN.

CUSTOMER CARRIE of sodium contents effect 6-1-01

CUSTOMER CARRIE ALLEN.

Pe on file exp 6-1-03. Customer pays blh pricing

NEIC VP0972E01

#### CONFIRMATION LETTER

December 23, 2002

LINDA CLARK
PHILIP SERVICES CORP
20245 77TH AVE S
KENT, WA 98032-1362

Re: Confirmation Number 4582415

Attention: LINDA CLARK

We are pleased to confirm ONYX's approval of your waste material as described below. The attached profile for the waste materials was prepared by ONYX based upon information provided by you. It is important that no changes be made to the profile without ONYX's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

ONYX Profile Number:

CI5789 TWI

Approved Mgmt. Facility:

TRADE WASTE INCINERATION

or another ONYX or ONYX approved facility

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Disposal Price:

- \$0.15 per pound, \$2000.00 minimum per shipment

applies.

- \$0.03 per gallon Illinois State fees.

Transportation Price:

- Customer to provide.

Demurrage:

- N/A

Waste Approval Fees:

- Recert, no charge.

- Characterization & unknowns are priced upon

request.

Pricing Conditions:

- Tanker Rinseout & Heel Removal Fees:

- \$500 aqueous rinseout fee (no solids) plus

cost of solvent used.

- \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.

- \$1,000 fee for "P" code triple rinseout plus

cost of solvent used if requested.

- \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon

minimum disposal charge applies.

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December 23, 2002

Re: Confirmation Number 4582415

- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.

Profile Expiration Date:

8/08/04

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using an Illinois manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by ONYX upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Suzie McCoy

Onyx Environmental Services, LLC

# TWI LABORATORY ANALYSIS REPORT

TRACKING 9 : 2	 -582417 <b>c</b> er	Opity. ze		÷	PRO	CESS	CODE	RL	L PROF	п.е.# CI	578	9
GENERATOR: PR WASTE CATURAGE	CVSY DAT MLIP SERVIC V CONC	E RECO: 1170 ES CORP	4/ <i>0</i> 2		X ( )	PCB LAB: DIO: VISI	ANALY RECER XIN PRE	SIS I T AN CUR PECT	REQUIRED ALYSIS REQUIREI SOR ANALYSIS I TION ONLY	D-SEE REQUIRED	TRED CMT	S BELOW
DESCRIPT: CYA	MIUE MIXTURE	SOLUTION .			( )	VISU	JAL INSI ECT OU	PEC1	TION: GLOVE B DRUM ONLY - D LIFY ORIGINAL O	OX/HOODE O NOT OP	D FEEDER	WA TRE
		• • • • •			1 )	WRI	TE LABI	ELIN	IFO ON POW	.OIY3U MER	LABEL A	עא
RECRIVER #:									e required	•		
MANIFEST#:	,	• •	,		(X)	SAM	IPLE RE	QUII	RED .		•	,
No. DRUMS:		."		•	•		•		DRUM STORA	GE COMP	ATABILI	TY
	•			•	•				Profiled DOT I	Iszard Class	6.1	
DATE:						٠			٠.			
SAMPLER SIGN.				_	•				P⇒PA	SS F=F	AIL .	· ; · [.
SAMPLE NUMBER			]	•		•			8A	8B	· 4/5	
	· ·		┨ .	, ,	· •							
Drum No.			<u> </u>	`,								*
Free Liquid (%)		· <u> </u>	"			-			PROFILE	CONFORMS	DATE	INIT
Pumpáble	YES	NO	ļ			_	**			YES NO	!	<b>,</b>
Layers/Phases -% Ea.	1	%	2_		_%_	3	<u></u> -	%				
Color	·		<u> </u>		. •			<u> </u>				
<u>Furbidity</u>	N/A TosP	Tusl Opq	N/A		٥ ـ	N/A						<u>.</u>
Viscosity	N/A L Lig Solid SI	M H udge Semi-sid		L .M Sol Sig			L M	H	OM H N/A			
Physical State Water Miscibility		ats Sinks Emls		P F								<del></del> .
Mater Miscionity	MISC PAL TIO	eas onnes man	-			172	1 1 0	• •		C MANAGEMENT CONTRACTOR		
<u>.</u>	7 3 370 253	<u>.</u>	( · )0	XN:	<del>.</del>		• •		RT CATALOG STORES		·	·
Water Reactivity Radiation Screen	( ) NO R	<u> </u>		BKG:		_		-	=BKG		;	
Flam. Pot. Screen	( ) Neg			os (		oc			See Flashpoint		<del></del>	
H Screen		00% ( ) 10%		· ·			<del></del>		< 2-12.5 €12.5			
Oxidizer Screen	( ) Neg		( )P	้อร่								· ·
Paint Filter Test	( ). Pass			ail (	)V-I	Fail	( )N/A					
Cyanide Screen	() Neg			os		·	( )N/A					
Sulfide Screen	( ) Neg			os		·	( )N/A	4				
ncidental odor	( ) No		())	Yes:				<del></del>				· · ·
Specific Gravity BTU/LB				-				<del></del>	23000	<del>                                     </del>		-
% Choride									25	<del> </del>		<u> </u>
lash Point deg. F									<73 <140 >140 N/A		•	
CBs By GC mg/kg									<50ppm			
CBs-Screen pom		· · · · · · · · · · · · · · · · · · ·		<u>-</u>			<u> </u>		<50ppm	College Constitution of the con-		
2,4,5-T/Silvex ppm	<del></del>	( )KIT	( )G		<del></del> .	٠		· <del></del>		CONTROL CONTROL		
PCP Screen ppm  H by Meter		( )100%		) 10%							<u> </u>	
) PCB waived. Does not meet.	PCB suspect crit		<u>`</u>	<u> </u>					Mark Company of the C	A SOME DESCRIPTION		<del></del> -
ACCEPT / REJECT		·.	-	a pod 8	_		Ċ	NE'	W PROFILE#			
inalytical Comments:  Dioxin Precursor analysis  Analysis supplied by gene	results below s		( )N	lo additi	onal a	analys	for and	alysis :d (	) Run on each load		: .	
dd. Comments Oh may								<u>.                                    </u>	<u> </u>		<u>,</u> .	
ROFILE REVIEW FOR APPER PROFILE & HANDLIN () Contains Cyanides - DO N	YG COMME VOT mix with p	<i>NTS:</i> H < 6 ( ) Benz	( ) W zone NI	eshap	contr	ols rec	id contac quired: (	t with	moisture ert. () No Cert	<u>.</u>		
Poison Inhalation Hazard				1	ش <b>د</b>	Aug	. Comme	ail3:	·			
his report has been prepared for the			,	o represe	ntation	COhner	ming some	de vali	dity or analytical accur	acy or complet	-nese	
										) ~ · · · · · · · · · · · · · · · · · ·		

is bereby made to any other person receiving this report. This sample was collected according to applicable SW-846 procedures.

NEIC VP0972E01

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TRACKING F: 6582415 PRICEITY: 97 PROFILE #: CI5729 DATE RECD: 11/04/92

SENERCYON: PHYLIP SERVICES DURP WASTE CATEGORY CODE:

DESCRIPT: CYANIDE MIXTURE SOLUTION

PHYSICAL	DESCRIPTION	WORKSHEET
Receiver	#	
Dogoiwad	Dato	

DRUM #	SIZE/TYPE	O/P	COLOR/DESCRIPTION	% FULL	% SOLID	%LIQUID
1						
2						
3						
4						
5						
6						. ,
7						
8						
9		,				
10			• •			
11						
12						
13						
14						
15						
16						
17						
18			,			
19						
20			·			

TECHNICIAN SIGNATURE		DATE
LOCATION	COMMENTS	
·		
Net Weight	* exist	

## WASTE MANAGEMENT DECISION

TABLE AND CONTRACTOR SECURITION OF THE ADMINISTRATION OF THE ADMIN

_				
Page		:		

1

## Location of Original MIDWEST REGIONAL LAB

ı.	Generator and Facility Information  Decision Site TRADE WASTE INCINERATI Proposed Management Facility TRADE WASTE INCINERATI *** This Decision is APPROVED	Tracking #: 4582415 Priority : 97 Profile #: CI5789 Date Received: 11/04/02 Effective Date: 12/19/02 Generator : PHILIP SERVICES CORP Waste Category Code: Description : CYANIDE MIXTURE SOLUTION
п.	Decision to Deny Approval for Management of Waste  Reason for Denying Approval	
Fina.	L Approval Name (print)	Date
ш.	Decision to Approve	
	a) Approved Management Methods Incineration  b) Precaution Conditions or Limitations on Approval	
	(1) <u>Site Conditions</u> (2) <u>Contracting Conditions</u>	
	(3) Site and Contracting Conditions  - Bulk liquids: Material which cannot be  - Bulk shipments must be pumpable with a a 1/8" screen.  Notification & Certification form must  - DOT approved containers.  manifest.	offloaded will be returned to the generator. centrifugal pump and solids must pass through A signed and completed Land Disposal accompany each shipment. (copy enclosed) All shipments must be made using an Illinois
	Analytical Requirements for Each Load MANDATORY ANALYSIS PER WAP	
	d) <u>Decision Expiration Date</u> 08/08/04	
	Final Decision State any Additional Precautions, Conditions, or Limitations	5
inal	ApprovalName (print)	CAROLYN THIERFELDER Date 12/19/02

# Onyx Environmental Services, LLC GENERATOR'S WASTE PROFILE SHEET

Profile # TWI C15789

(_)	Check here if this is a Recertification	LOCATION OF (	ORIGINAL CWM, INC	PORT ARTHUR	
ĢEN	ERAL INFORMATION Generator Name: PHILIP SERVICES CORP		Generator USEPA ID:	WAD000812909	
				PHILIP SERVICES CORP	
2.	Generator Address: <u>734 S LUCILE ST</u>		(_) Same	20245 77TH AVE S	
	SEATTLE WA 98108-2631		-		
3.	Technical	253/627-7568	_	KENT WA 980	32-1362
4.	Contact/Phone: <u>TIM SMITH</u> Alternate Contact/Phone: <u>DAVE HAGUE</u>		Billing Contact/Phone: LIND		
	Contact/Filone. DAVE MAGE				
PRO 5.	PERTIES AND COMPOSITION Process Generating Waste: <u>CYANIDE CONSOLIDATIO</u>	N FROM_OUTSID	E SOURCES		
6.	Waste Name: CYANIDE MIXTURE SOLUTION				
7A.	Is this a USEPA hazardous waste (40 CFR Part Identify ALL USEPA listed and characteristic	261)? Yes (	$\underline{X}$ ) No (_) umbers ( $\overline{D}$ ,F,K,P,U): $\underline{I}$	0002 D003 D004 D005 D006 D007 D00	8 D009 D010
_	D011 F001 F002 F003 F004 F005 F006 F007 F008				
8.	Physical State @ 70F: A. Solid(_) Liquid(X) Bo				
	pH: Range 12.5 to 14.0 or Not applicable (_)				
	Liquid Flash Point: < 73F (_) 73-99F (_) 100				
11.	CHEMICAL COMPOSITION: List ALL constituents Constituents	(incl. haloge	nated organics) prese Ra	ent in any concentration and forwards Unit Description	ard analysis
	CYANIDE		0.1 t	to 10 %	
	WATER			to 99 <u></u>	_
	FLUORIDE		0 t	to 0.1 %	_
	NON-TRI CHEMICALS		0 t	25 %	
	ORGANICS, REGULATED AND NON - REGULATED.			10	
	INERT INORGANIC SALTS TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%)	:		to 15 % 150.100000	See attach2
12.	OTHER: PCBs if yes, concentration $\underline{N}$ Radioactive (_) Benzene if yes, conce Carcinogen ( $\underline{X}$ ) Infectious (_) Other _	ppm, PC	Bs regulated by 40 Cl	FR 761 (_). Pyrophoric (_) Expl SHAP (_) Shock Sensitive (_) Oxid	osive (_) izer (_)
13.	If waste subject to the land ban & meets trea	tment standar	ds, check here: _ & s	supply analytical results where a	pplicable.
SH)	IPPING INFORMATION PACKAGING: Bulk Solid (_) Bulk Liquid ( <u>X</u> ) D	rum (_) Type/	Size: TANK	Other	
15.	ANTICIPATED ANNUAL VOLUME:5000 Units:	GALLONS	Shipping	Frequency: WEEK	
SAM 16a	MPLING INFORMATION a. Sample source (drum, lagoon, pond, tank, vat	, etc.):		Sample Tracking Numb	er: <u>4582415</u>
	Date Sampled: Sampler's Name/Compan				
161	o. Generator's Agent Supervising Sampling:	_			
GEI I l th re On	NERATOR'S CERTIFICATION hereby certify that all information submitted i is waste. Any sample submitted is representativ levant information regarding known or suspected yx Environmental to obtain a sample from any wa	n this and al e as defined hazards in t ste shipment	ll attached documents in 40 CFR 261 - Appe the possession of the for purposes of rece	contains true and accurate descr ndix I or by using an equivalent generator has been disclosed. I rtification.	iptions of method. All authorize

18. This is a Nonwastewater.

19.	If this was	te is	subjeçt	to any California applicable:	list	restrictions	enter	the	letter	from below	(either	A or	B.1)	next	to
	each restri	ction	that is	applicable: HOCs,	PCB	s, Acid,	Me	tals	, c	yanides					

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

	A. US EPA HAZARDOUS	B. SUBCATEGORY Foter the subcategory description		C. APP	D. HOW MUST		
REF	WASTE CODE(S)	Enter the subcategory description If not applicable, simply check none	i	PERFORMANCE- BASED: Check as applicable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) 268.42	MANAGED?	
!		DESCRIPTION	NE	268.41(a);268.43(a)	268.42	<del>-</del>	
1	D002	Non-CWA, Non-Class 1 managed corrosive char. wastes	_		DEACT	<u>A</u>	
1 2	D003_	REACTIVE CYANIDES				Α	
3	D004	х				_   A	
4	D005					A	
<u> </u>	D006	X			1	Α	
<u> </u>	D007	X				A	
7	D008	X	_			<u> </u>	
<u> </u>	D009	LOW MERCURY, < 260 PPM				A	
9	D010					A	
1 10	D011	X				A	
11	F001	X			INCIN	A	
12	F002	X			INCIN	A	
13	F003	X			INCIN	A	
14	F004	X			INCIN	A	
15	F005	<u> </u>			INCIN	_	
16	F006	<u> </u>			1	A	
17	F007	X			1	A	
18	F008	 			1	A	
! ! 19	F009	X			 	A	
20	F011	<u> </u>				A	
21	F012	Х				A	
22	F019	X				A	
23	P093	X			INCIN	A	
24	P106	X				A	
<u>i</u>							
					1		
<u> </u>	! !						

	Management under the land disposal restrictions: A. RESTRICTED WASTE REQUIRES TREATMENT											
	B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS											
	B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS											
	B.5 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD											
	B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD	B.6 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD										
	C. RESTRICTED WASTE SUBJECT TO A VARIANCE	C. RESTRICTED WASTE SUBJECT TO A VARIANCE										
	D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT											
	E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS	E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS										
21.	21. Is this waste a soil or debris? No: X Yes, Soil: _ Yes,	Debris: _										
22.	22. Specific Gravity Range:800 to 1.400											
23.	23. Indicate the range of each: Units											
	Cyanides: 0.1 to 10.0 % Type	(free, total, amenable, etc.) TOTAL										
		(free, total, amenable, etc.)										
	Sulfides: < 3 to PPM Type	TOTAL										
	Optional Phenolics: < 10 to to											
24.	24. Identify the waste color <u>BROWN TO VARIES</u> , DOT phy	sical state <u>Liquid</u> ,										
	and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE											

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION	26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available)	
TOTAL		RANGE
Beryllium as Be < 5000	mag	A. Heat Value (Btu/lb):1-2000
Potassium as K 10000		B. Water:
Sodium as Na 88000		C. Viscosity (cps): F 100 F 150 F
Bromine as Br ≤ 5		D. Ash: %
Chlorine as Cl < 5		E. Settleable solids: %
Fluorine as F < 5		F. Vapor Pressure @ STP (mm/Hg):
Sulfur as S < 5		G. Is this waste a pumpable liquid? Yes X No _
		H. Can this waste be heated to improve flow? Yes $\_$ No $\underline{X}$
3 		I. Is this waste soluble in water? Yes <u>X</u> No _
		J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes X No _
and Additional Description if required: (CYANIDE RO(D004)  C. DOT Regulations: United Nations Hazard Class:  D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg  E. Non-Bulk code 202 Bulk code 243  F. Special Provisions 742	INCIRCEATION PARAMETERS (Provide if information is available)  RANGE  RANGE  A. Heat Value (Btu/lb):1-2000  B. Water: C. Viscosity (cps):P 100 F 150 F  D. Ash: % E. Settleable solids: % F. Vapor Pressure % STP (mm/Hg): % F. Vapor Pressure % STP (mm/Hg): H. Can this waste a pumpable liquid? Yes X No H. Can this waste be heated to improve flow? Yes _ No X I. Is this waste soluble in water? Yes X No J. Particle size; Will the solid portion of this waste pass through a 1/8 inch screen? Yes X No  aterial? Yes X No : WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S  aterials: G.1 Poisonous materials	
G. Labels Required POISON OR TOXIC CORROS	TAR	
28. SPECIAL HANDLING INFORMATION  INDEX/BLUE NITRILE INNER GLOVE		
Material Safety Data Sheets Attached		
29. OTHER INFORMATION		
	STE MUST	CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION.		
		<del></del>

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

Mary and I stand a magnification of the control of

METALS	TCLP Information:  Check only ONE for each constituent:   Use units: ppm, mq/l				TCLP Data	!	TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent					
	Less Than	Regulated	Equal or More	Waste No.	TCLP Actual	1	Requ	nia Lis lated vel	t  Equal   or  More	Actual		
Arsenic as As		5.0 mg/l	X	D004	<b>.</b>		500	mg/l	1	<200	ppm	
Barium as Ba		100.0 mg/l	X	D005		i i			<u> </u>	<200	ppm	
<u>Cadmium as Cd</u>		1.0 mg/l	X	D006		1 1	100	mg/l	1	<200	ppm	
Chromium tot Cr		5.0 mg/l	X	D007			·		i !	<200	ppm	
Lead as Pb		5.0 mg/l	X	D008		<u> </u>	500	mg/l	<u> </u>	<100	ppm	
Mercury as Hq	X	.2 mq/l		D009		i i	_ 20	mg/l	i !	<0.1	ppm	
<u>Selenium as Se</u>	X	1.0 mg/l		D010		X	100	mg/l	<u> </u>	i ! !		
Silver as Aq		5.0 mg/l	X	D011		i i			} 	<200	ppm	
Nickel as Ni						j j	134	mg/1	j 	<200	ppm	
<u>Thallium as Tl</u>						X	130	mg/l	i !	<200	ppm	
Chromium Hex						<u> </u>	500	mg/1	1			
Antimony						1 1			1	<200	ppm	
Beryllium		·		i i						<200	ppm	
Copper									i i			
Vanadium				i					<u> </u>	<200	mqq	
Zinc				i					1			
Potassium :										<2000	ppm	
Sodium										57800	ppm	
			] [ ] [ ]									
! ! !		 	1			1 1			1 1			

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

Systematics and bullious was a sum of the second of the se

RGANICS	Check of	TCLP Informa nly ONE for e	ach const	tit <u>uent</u>	TCLP Data	TCA or TOTAL Use units: ppm, mg/l or
	Less Than	! Regulated	Equal    or      More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l	
Benzene	X	0.5 mg/l		<u>D</u> 018		
Carbon Tetrachloride	X	0.5 mg/l		D019		
Chlordane	<u> </u>	0.03 mg/l		D020_		
Chlorobenzene	i X	100.0 mg/l		D021		
Chloroform	į X	6.0 mg/l		D022		
m-Cresol	i X	200 mg/l		D024		
o-Cresol	X	200.0 mg/l		D023		
p-Cresol	X _	200.0 mg/l		D025		! !
Cresol	i X	200.0 mg/l		D026		1
2,4-D	X_	10.0 mg/l		D016		
1,4 Dichlorobenzene	X	7.5 mg/l		D027		 
1,2-Dichloroethane	<u> </u>	0.5 mq/l	j j	D028		1
1,1-Dichloroethylene	X	0.7 mg/l		D029		<u> </u>
2,4-Dinitrotoluene	X	0.13 mg/1		D030_		 
Endrin_	X	.02 mg/l		D012		
Heptachlor, & Hydroxide	X	0.008 mg/l	i i	D031_		<u> </u>
Hexachloro-1,3 Butadiene	<u> </u>	0.5 mg/l		D033_		 
<u> Hexachlor</u> obenzene	<u> </u>	0.13 mg/l		D032		<u> </u>
Hexachloroethane	<u> </u>	3.0 mg/l		D034	_	
Lindane	X	0.4 mg/l		D013		1
Methoxychlor	X	10.0 mg/l		D014		
Methyl Ethyl Ketone	X	200.0 mg/l		D035		
Nitrobenzene	<u> </u>	2.0 mq/l		D036		1
Pentachlorophenol	X	100.0 mq/l		D037		i 
Pyridine	X	5.0 mg/l	i i	D038		i !
Tetrachloroethylene	X	0.7 mg/l	<u> </u>	D039		
Toxaphene	X	0.5 mg/l	i i	D015		i
2,4,5-TP Silvex_	X	1.0 mg/l		D017		1
Trichloroethylene	X	0.5 mg/l	1 1	D040_		1
2,4,5-Trichlorophenol	X	400.0 mg/l	1 1	D041	 	1 1 1
2,4,6-Trichlorophenol	X	2.0 mg/l	1 1	D042		 
Vinyl Chloride	X	0.2 mg/l	<u> </u>	D043	1 	 
	! !	!	1 1		1	1

\$5 CONTROL OF \$ \$5.5 CONTROL SERVICE SERVICES FOR THE SER

Date Printed <u>12/19/02</u>

Profile # TWI CI5789

ATTACHMENT 1

USEPA WASTE CODE NUMBERS: Additional waste codes NOT included on page 1 of the Waste Profile F012 F019 P093 P106

NEIC VP0972E01

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and the latest and the state of the state of

ATTACHMENT 2			
CHEMICAL COMPOSITION: Additional Constituents	al constituents NOT included on pag Range	e 1 of the Waste Profile Unit Description	
ARSENIC		to	
BARIUM		to	
CADMIUM		to	
LEAD		to	
ZINC		to	
CHROMIUM		to	
SILVER		to	
SODIUM		to	
COMMENTS		to	
METALS LISTED UNDER "INER	F INORGANIC SALTS" ARE	to	
PRESENT AS CATIONIC SPECIA	ES	to	
PHENYLTHIOUREA		0 to1 %	
UHC Constituent	Management Method		
Cyanides (Total)	<u>A</u>		
Cyanides (Amenable)	<u>A</u>		
Arsenic	<u>A</u>		
Cadmium	<u>A</u>		
Chromium (Total)	<u>A</u>		
Gead	<u>A</u>		
Selenium	<u>A</u>		
<u> Silver</u>	<u>A</u>		
Solvent Constituent	Management Method		

Orași de la filia de la compresione della compre

### Date Printed 12/19/02 MISCELLANEOUS PROFILE FIELDS Selling Region Lab: MRL Master Profile No.: PTA-NC Sales Office. . . : PTA Location Orig. . .: PTA Profile Expires . : 8708/04 Approved. . . .: 12/19/02 Signed Profile Present: Y Change Pending: N Waste Status: A Site (DCS) Status: Z REO FOR DCS DOWNLOAD Prof. Tracking No: 4582415 Fuels Approval.: Pumpable Liquid Exact: \_\_ % OR Range: \_\_ - \_\_ % Type of Pump. .: Additional Anticipated Vol: \_\_\_\_\_\_ Per: \_Unit Code/Des: \_\_\_ 80 N-DEX\_INNER GLOVE Handling Codes: 62 NBR GREEN GLOVES 64 SARANEX OF PVC YELLOW OVR BOOT COVER OD TYPE C RESPIR CONST FLOW Tax Code. .: \_ EPA Data: Status Code: C Permit No: \_\_\_\_ Expr. Date.: \_\_\_\_ Volume. . .: \_\_\_\_ Certificate of Destruction or Disposal Required ? Y Project # : \_\_\_\_ DOT Properties: Inhalation: 2 Dermal: 2 Oral: 2 Flammable: \_ Health: \_ No. of Labels. . .: Download Generator: 1025022 DCS Generator #...: 5844030974 Percent Taxable: \_\_\_\_ Process Codes .: BLL Schedule Category: Schedule Interval: <u>ILL</u>B Hal. Org. Compounds.: \_\_ Water Reactive . . . : \_ Listed Solvent Waste: RCRA Reactive. . . . . \_ Pesticide Mfg. Waste: \_ Gas Evolution : \_\_\_ Wet Zone . . . . . : \_ Vapor Concentration \_\_\_ Boiling Point F \_\_\_ Corrosive to Steel or Aluminum \_ Organic Peroxide \_ Self-heating cube sz Is Gas Ignitable? \_ Chemical Family Name GENERATOR FROM PAGE 1 USEPA ID Rltn Contract in Place at Expires on Evergreen Contract Business Name PHILIP SERVICES CORP WAD000812909 G ADDITIONAL BUSINESSES USEPA ID MID980615298 G G WAD991281767 I Evergreen Contract Contract in Place at Expires on Business Name PETRO CHEM PROCESSING INC CYANOKEM INC PHILIP SERVICES CORP TWI 1/26/03 ADDITIONAL PROFILE COMMENTS Comment MGR APPROVAL.\*\*\*\*F039\*\*\*\* GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT LOAD DELIVERY 7-5-00 F039 DOES NOT APPLY FOR THIS DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO TO THIS PARTICULAR SHIPMENT \$1000.00 REF TKG# 4582415 FOR ANALYSIS-APVD 8/8/00 F039 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF KENT WA. RESIDUE BACK TO GENERATOR ON INBOUND MANIFEST PER DE ON file exp 6-1-03. Customer pays blh pricing Cat Comment Comment REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH REVIEWED FOR PHASE II LDR K/RECERT BLL 1-26-03 AFS TWI SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00 THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY DELIVERY 4-22-02 REQUIRES TRIPLE RINSE CHARGE CODE: NS UNTIL FURTHER NOTICE. NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF AND CHARGES PETROCHEM Cat Comment PETROCHEM 102182. SEATTLE WA SHIPMENTS GETS BILLED TO DELIVERY 12-2-02 - IF P-LISTED REJECT P LISTED CUSTOMER CARRIE ALLEN. pe on file exp 6-1-03. Customer pays blh pricing

PSC

	TENTIAL LIBER	
Field	Value	
WSTTP	W119	
TPCD1	H040	
SRCCD	Ğ19	
MATAN	ν —	

due to restraints of sodium contents effect 6-1-01

Date Printed 12/19/02

### Profile Change History

Profile #
TWI CI5789

This section lists comments describing changes made to the profile.

To the the the contest. Like the the second of the contest of the

Profile Change Comments	Date	User
MRL/BP3414 Entire profile copied to MRL/CI5789	1/19/98 1/19/98	WMO911TTT WMO911TTT
TWI APPROVAL	1/19/98 2/04/98 2/04/98 2/04/98 2/04/98 2/04/98 2/04/98 2/04/98 5/21/98 5/21/98 5/21/98 7/30/98 1/26/99 1/26/99 10/28/99 10/28/99	WMO911TTT
MRI/CI5789 Entire profile copied to TWI/CI5789	2/04/98	WMO911TTT
MRL/C15789 Entire profile copied to TWI/C15789 MRL/C15789 Core Profile Info copied to TWI/C15789	2/04/98	WM0911TTT
X	2/04/98	WMO911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/58	WMO911TTT WMO911TTT
MRL/C15789 Core Profile Info copied to TWI/C15789 MRL/C15789 Change Log copied to TWI/C15789	2/04/98	WM0911TTT
MRL/C15789 Core Profile Info copied to TWI/C15789	5/21/98	WM0911CAT
ADDED DOOS AND DOOS (LOW HG < 260 PPM) PER MANIFEST	5/21/98	WM0911CAT
RECEIPT AND LAN BAN	5/21/98	WM0911CAT
MRL/CI5789 Change Log copied to TWI/CI5789 LHB/ Added Cyanokem- Philip location per Mike	5/21/98	WMO911CAT WMO233LHB
Milendorf of Dhilin in Penton, WA	7/30/98	WMO233LHB
Ulendorf of Philip in Renton, WA MRL/C15789 Core Profile Info copied to TWI/C15789	1/26/99	WM0346RJL
PTA RECERT.	1/26/99	WM0346RJL
MRL/CI5789 Change Log copied to TWI/CI5789 MRL/CI5789 Core Profile Info copied to TWI/CI5789	1/26/99	WM0346RJL
REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER	10/28/99	WMO911KES WMO911KES
NOTICE.	10/28/99	WMO911KES
MRL/CI5789 Change Log copied to TWI/CI5789	10/28/99	WM0911KES
ADDED 1009166 AS A GÉNERATOR	2/11/00	WM0233JLM
MRL/C15789 Core Profile Info copied to TWI/C15/89	3/12/01	WMO911KEM
REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER NOTICE. MRL/C15789 Change Log copied to TWI/C15789 ADDED 1009166 AS A GENERATOR MRL/C15789 Core Profile Info copied to TWI/C15789 UPDATED FOR TWI RECERT MRL/C15789 Change Log copied to TWI/C15789 MRL/C15789 Core Profile Info copied to TWI/C15789 ADDED P093 PER CUSTOMER	3/12/UI 3/13/01	WMO911KEM WMO911KEM
MRI/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01	WMO911KEM
ADDED P093 PER CUSTOMER	10/31/01	WMO911KEM
MRL/CI5789 Change Log copied to TWI/CI5789 MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01 10/31/01 10/31/01 10/31/01	WMO911KEM
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/31/01	WMO911KEM
ADDED PHENYLTHIOUREA 0-1% PER CÜSTOMER. MRL/CI5789 Change Log copied to TWI/CI5789	10/31/01	WMO911KEM WMO911KEM
marcisios change bod copica to 1#1/C13/85	10, 31, 01	MIOJIINDI

NEIC VP0972E01

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Veolia ES Technical Services Sauget, Illinois Date Printed <u>12/19/02</u>

### Schedule Categories

PARTIE | PRODUCTION NAMES | Property Control of the production of the production of the control of the control

Profile # TWI C15789

Description Low BTU Bulk Liqui

Container

Tank Trucks

### Pricing Comments

Disposal Price - Need PE if off-gate, no min, or no approval fee - \$2,000 minimum applies.
- If T & D bundled 40,000 pound minimum applies.
- Illinois Hazardous Fees: \$.03 per gallon or

\$6.06 per cubic yard. Transportation Price - Load/Trip/Mile

- Load/Trip/Mile
- \$425 minimum for trips less than 100 miles.
- \$3.60 per loaded mile.
- \$150 per day tanker rental.
- Fuel surcharge will apply based on the U.S.
Average Retail On-Highway Diesel Prices.
- Direct inject tankers may incur additional cost.
- Cancelled loads require 48-hour notice or they will be billed at the regular trip rate.
- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility.
Demurrage Demurrage

- \$85 an hour after 1 1/2 hour loading time.

Waste Approval Fees

- \$150 paperwork approvals (no analytical).
- \$500 analytical approval.
- Characterization & unknowns are priced upon request.

Pricing Conditions

- Tanker Rinseout & Heel Removal Fees:
- \$500 aqueous rinseout fee (no solids) plus

- \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
- \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
- \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
- \$1,000 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
Fees for rinseouts or heel removals for direct

Pees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated

on a case-by-case basis.

- A \$300.00 minimum disposal fee for drums per

- A \$300.00 minimum disposal fee for drums per profile number, per shipment.
- Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.
- Containers <55 gallons for liquids will be prorated per gallon with a \$XX.XX minimum.
- \$75.00 per drum for any overpacked material.
- Discrepant material will be surcharged on a case-by-case basis.

Date 12/19/02 WAR Program . : R7004RPT Time 16:40:32 User . . : WMC911DAG Report: 7004 Version: 4A.00 This Report is intended for the use and benefit of Waste Management and its companies. No representation concerning significance of the reported data is made to any other person or entity. Tracking Number : 4582415 Profile . . . : CI5789 Site Name . . . : MIDWEST REGIONAL LAB Generator Name . : PHILIP SERVICES CORP Waste Description : CYANIDE MIXTURE SOLUTION Date Received . : 11/04/02 Priority Code . : 97 Approved . . . . : N FINGERPRINT Test Unit Test Description Ext. Date Lab Procedure # Result Desc. Analyzed Tech 61 LAYERS 8/08/00 DAG PERCENT FREE LIQUIDS 01 8/08/00 DAG TOP INSOL FLOATS WATER SOLUBILITY 01 8/08/00 DAG LOW/LOW/NA VISCOSITY 01 8/08/00 DAG CYANIDE SCREEN 01 NEG 8/08/00 DAG OXIDIZER SCREEN 01 NEG 8/08/00 DAG SULFIDE SCREEN 01 NEG 8/08/00 DAG BACKGROUND 01 RADIATION SCREEN 8/08/00 DAG PH BY PAPER 01 Std Unit 8/08/00 DAG PCBS Test Description Ext. Test Unit Date Lab Procedure Result Desc. Analyzed Tech PCB · s 01 < 5 MG/KG 8/08/00 DAG WET CHEMISTRY Test Description Ext. Test Unit Date Lab Procedure Result Desc. Analyzed Tech HEATING VALUE 01 680 BTU/LB 8/08/00 DAG CHLORINE 01 < 5 8/08/00 DAG FLASH POINT - CLOSED CUP 147 DEG F 8/08/00 DAG

#### Comments:

WATER SOLUBILITY-MIDDLE SOL, BOTTOM PART SINK SILVEX <65 PPM 2,4,5-T <65 PPM PCP <100 PPM WAR copied from tracking# 4553323, profile# BY4013

### TWI LABORATORY ANALYSIS REPORT

C   PCB ANALYSIS REQUIRED	PROFILE 9 015789 DATE SEED						
DECANT SAMPLE REQUIRED   SAMPLE REQUIRED   SAMPLE REQUIRED   DRUM STORAGE COMPATABILITY   Profiled DOT Hazard Class   U   P=PASS   F=FAIL	FILE SECTION OF THE S	P SENTINES CORO	LAB: RECERT AN DIOXIN PRECUR VISUAL INSPECT VISUAL	ALÝSIS REQUIRED SOR ANALYSIS R FION ONLY FION: GLOVE BO DRUM ONLY - DO UFY ORIGINAL CO	EQUIRED 5% 10 DX/HOODE D NOT OPE	0% D FEEDER N - CMTS	R BELOW
DRUM STORAGE COMPATABILITY   Profiled DOT Hazard Class	RECEIVER #:						
DRUM STORAGE COMPATABILITY   Profiled DOT Hazard Class   V							
Profiled DOT Hazard Class   P-PASS   F-FAIL				DDYB4 GEODA	OF COLOR	4 T 4 D 17 Y	-
P-PASS F-FAIL   SAMPLE NUMBER   SAMPLE NUMBE	No. DRUMS:					1 :	ľΥ
SAMPLE NUMBER	DATE:			Profiled DOT H	azard Class	<u>V.1</u>	
Drum No.   PROFILE   CONFORMS   DATE   INIT	SAMPLER SIGN	·		P=PAS	SS F=F.	AIL	
PROFILE   CONFORM   DATE   INIT	SAMPLE NUMBER	R		8A 8	B	4/5	
Pumpable	Drum No.					_	
Pumpable	Free Liquid (%)		,	PROFILE	CONECDIME	DATE	INIT
Layers/Phases -% Ea.		YES NO	1				
Color	_ <del></del>		2 % 3 %			_	
Turbidity	_ <del></del>	1	2				
Viscosity		N/A TnsP TnsL Opq	N/A TP TL O N/A TP TL O				
Physical State	Viscosity		N/A L M H N/A L M H	D M H N/A			
Add Description:         Water Reactivity       ( ) NO RXN       ( )RXN:         Radiation Screen       ( ) =BKG       ( ) >BKG:       =BKG         Flam. Pot. Screen       ( ) Neg       ( )Pos       ( )BOC       See Flashpoint.         pH Screen       ( ) 100% ( ) 10%       2.2       ( )2.5       ( )2.5         Oxidizer Screen       ( ) Neg       ( )Pos       ( )N/A         Paint Filter Test       ( ) Pass       ( ) Fail ( )V-Fail ( )N/A         Cyanide Screen       ( ) Neg       ( )Pos       ( )N/A         Sulfide Screen       ( ) Neg       ( )Pos       ( )N/A         Incidental odor       ( ) No       ( ) Yes:         Specific Gravity       2.4       2.4       2.4         BTU/LB       4.3       2.4       2.4       2.4       2.4         % Choride       4.5       4.5       2.4       <	Physical State	Liq Solid Sludge Semi-sld	Liq Sol Slg Ss Liq Sol Slg Ss				
Water Reactivity       ( ) NO RXN       ( ) RXN:         Radiation Screen       ( ) =BKG       ( ) >BKG:       =BKG         Flam. Pot. Screen       ( ) Neg       ( ) Pos       ( ) BOC       See Flashpoint       pBC         PH Screen       ( ) Neg       ( ) Pos       ( ) Pos       Paint Filter Test       ( ) Pass       ( ) Fail ( ) V-Fail ( ) N/A       Paint Filter Test       ( ) Pass       ( ) Fail ( ) V-Fail ( ) N/A       Paint Filter Test       ( ) Neg       ( ) Pos       ( ) N/A       Paint Filter Test       ( ) Neg       ( ) Pos       ( ) N/A       Paint Filter Test       ( ) Neg       ( ) Pos       ( ) N/A       Paint Filter Test       ( ) Neg       ( ) N/A       Pos       ( ) N/A       Paint Filter Test       ( ) Neg       ( ) N/A       Paint Filter Test       ( ) Neg       ( ) N/A       Pos       Pos       ( ) N/A       Pos	Water Miscibility	Misc Part Floats Sinks Emls	M P F S E M P F S E				
Radiation Screen   ( ) =BKG   ( ) >BKG:	Add. Description:						
Flam. Pot. Screen   ( ) Neg	Water Reactivity	( ) NO RXN	( )RXN:				
Description	Radiation Screen	( ) =BKG		=BKG			
Oxidizer Screen         ( ) Neg         ( )Pos           Paint Filter Test         ( ) Pass         ( )Fail ( )V-Fail ( )N/A           Cyanide Screen         ( ) Neg         ( )Pos         ( )N/A           Sulfide Screen         ( ) Neg         ( )Pos         ( )N/A           Incidental odor         ( ) No         ( )Yes:           Specific Gravity         2         2           BTU/LB         43000         43000           % Choride         45         43000           Flash Point         46g. F         43 < 140 < 140 < 140 < 140 < 140 < 140	Flam. Pot. Screen	( ) Neg	( )Pos ( )BOC		<u> </u>		
Paint Filter Test         ( ) Pass         ( ) Fail ( ) W-Fail ( ) N/A           Cyanide Screen         ( ) Neg         ( ) Pos         ( ) N/A           Sulfide Screen         ( ) Neg         ( ) Pos         ( ) N/A           Incidental odor         ( ) No         ( ) Yes:           Specific Gravity         1         1           BTU/LB         4 3000         4 3000           % Choride         4 3000         4 3000           Flash Point         4 3 440 440 44         4 40 440 44           PCBs By GC         mg/kg         4 50 ppm           PCBs-Screen         ppm         4 50 ppm           PCP Screen				<2 (MAA) 612.5	) 		
Cyanide Screen         ( ) Neg         ( )Pos         ( )N/A           Sulfide Screen         ( ) Neg         ( )Pos         ( )N/A           Incidental odor         ( ) No         ( )Yes:           Specific Gravity         1         ( )Total Company           BTU/LB         ( )Total Company         ( )Total Company           % Choride         ( )Total Company         ( )Total Company           Flash Point deg. F         ( )Total Company         ( )Total Company           PCBs By GC mg/kg         ( )Total Company         ( )Total Company           PCBs-Screen ppm         ( )KIT ( )GC         ( )KIT ( )GC           pH by Meter         ( )100% ( ) 10%         ( )10%							
Sulfide Screen       ( ) Neg       ( )Pos       ( )N/A         Incidental odor       ( ) No       ( ) Yes:         Specific Gravity       1.1       1.1         BTU/LB       43000       43000         % Choride       43000       43000         Flash Point       deg. F       473 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 140 < 14		<u> </u>					
Incidental odor		<del>                                      </del>		27 2 4 4 4 5 5 5 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GASS SIN		
Specific Gravity   1							
## BTU/LB  ## Choride  ## Choride  ## Flash Point   deg. F    ## PCBs By GC   mg/kg    ## PCBs-Screen   ppm    ## 2,4,5-T/Silvex   ppm    ## PCP Screen   ppm    ## ( )KIT ( )GC    ## PH by Meter   ( )100% ( ) 10%		1 7 110	( ) 100.	11			
Flash Point         deg. F         <73 < 140 < 140 < 140 < 140	BTU/LB	-	·				
PCBs By GC         mg/kg         <50ppm	% Choride			45			
PCBs-Screen         ppm         <50ppm			· -	<del>\/</del>			
2,4,5-T/Silvex ppm       PCP Screen ppm       ( )KIT ( )GC         pH by Meter       ( )100% ( ) 10%							
PCP Screen         ppm         ( )KIT ( )GC           pH by Meter         ( )100% ( ) 10%				<50ppm			
pH by Meter ( )100% ( )10%		( )KIT	( )GC				
10 S 10 M					-		
ACCEPT / REJECT: / ( ) NEW PROFILE#							
Analytical Comments: (X) Reference Tracking# / Sample# 537271/42138 for analysis.	Analytical Comments:	(X) Reference Tracking# / Sam	nple# 537211/14213&for analysis	 3.			
Dioxin Precursor analysis results below site action levels (No additional analysis required () Run on each load							
Analysis supplied by generator - See Tech. Manager File. (PCB analysis to be determined upon visual inspection of waste Add. Comments (UN PCB's and CCFP on 151 2 and 2004 to 2000 vels							
PROFILE REVIEW FOR APPENDIX WAP-C CONSTITUENTS BY: A. March DATE: 3-12-01	•		A 11 13 -	/			
PROFILE & HANDLING COMMENTS: ( ) Water Reactive - avoid contact with moisture							
(Contains Cyanides - DO NOT mix with pH < 6 ( ) Benzene NESHAP controls required; ( ) Cert. ( ) No Cert.							
( ) Poison Inhalation Hazard ( )Reactive Category: A B C D E Add. Comments:							
Corcingens: Arsenic Cedmium (Ced  This report NEW Preparate Of the exclusive use and benefit of Waste Mgmt. Regence Preparate Validity or analytical activate							

```
ONYX ENVIRONMENTAL SERVICES, ARCendix L
                                                                                                                   Version 06.04
Report: R7008
                                                                                                                    TWI-CI5789
                                              WASTE PROFILE SUMMARY
DATE: 10/31/01
                                                                                                                     SELLING REGION LAB - MRL
                                                                                         NUMBER..... 102-5-022
HUSINESS: PHILIP SERVICES CORP
                                                                                         PHONE...... 253/627-7568
EXPIRES...... 01/26/03
ADDRESS 1: 734 S LUCILE ST
                                                                                         STATUS..... APPR FOR SERV FEDERAL EPA ID: WADOO0812909
ADDRESS 2:
CITY/ST..: SEATTLE
                                      WA 98108-2631
                                                                                         STATE EPA ID..: 9530335007
CONTACT ..: TIM SMITH
                                                                                         EPA STATUS.... CHK RESTRICT
                                                                                         SALES OFFICE ..: PTA
WASTE NAME: CYANIDE MIXTURE SOLUTION
ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES HIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S ADDL. DESC: (CYANIDE, ARSENIC)
                                                                                       MIN
                                                                                             - MAX
                                                                                                        UNIT DESCRIPTION
                            CHENICAL COMPOSITION
                                                                                                     10 %
                                                                                         0.1
CYANIDE
                                                                                           50
                                                                                                     99 %
WATER
                                                                                            n
                                                                                                    0.1 %
FLUORIDE
NON-TRI CHEMICALS
                                                                                            0
                                                                                                     25 %
ORGANICS, REGULATED AND NON - REGULATED.
MERT INORGANIC SALTS
                                                                                            0
                                                                                                     15 %
     ARSENIC
     BARIUM
     CADHIUN
     LEAD
     RINC
     CHRONIUN
  Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.
                                                                             PHYSICAL CHARACTERISTICS
               TCA OR TOTAL
    METALS
                                                         Physical State...: Liquid
Nickel as Ni
                  < 200
                                      ppm
Thallium as Tl <
                                      ppm
                                                         Flash Point....: > = 200
                     200
                                                                                                    CL
                                                         рн..... 12.5 - 14.0
Arsenic as As
                 <
                     200
                                      ppm
                     200
                                                         Color..... BROWN
Barium as Ba
                                      ppm
Cadmium as Cd
                     200
                                                         Odor..... NONE
                                      ppm
Chromium tot Cr <
                                                        Layers..... Single Layer
Specific Gravity.: 0.800 - 1.400
                     200
                                      ppm
Lead as Pb
                     100
                                      ppm
Mercury as Hg
                     0.1
                                                         Free Liquids....: 95 - 100
                                      ppm
                     200
200
                  <
                                                         Cyanides.....
                                                                                                                10.0 %
                                                                                                                                   TOTAL
Silver as Aq
                                                                                             0.1 To
                                      ppm
                                                                                                                       PPN
                  <
                                                         Sûlfides..... < 3
Antimony
                                                                                                                                   TOTAL.
                                      ppm
                                                                                                  ppm, Regulated by 40 CFR 761:
Berylliúm
                     200
                                      ppm
                                                         PCB's..... N/A
                  <
                     2000
                                                         Phenolics..... < 10
                                      ppm
                                                                                                                       PPM
Potāssium
Sodium
                      57800
                                       ppm
                                                         % Taxable....:
                                                                                           DOT UN/NA NBR: UN2927
Vanadium
                  < 200
                                                         Treatment Codes..: T07
                                      bbm
                                                         CRQ RPT QTY ....:
Selenium as Se <
                                                                                            Material Class:
                     100
                                                         EPĀ Permit....:
Chromium Hex
                     500
                                      mg/l
                                                                                                     EXP:
                                                         Hazard Class....: 6.1
                                                         State Codes....: 090001
                                                        NESHAP:
                                                         Process Codes ....: BLL
                                                         Cert of Dstrct Rq: Y
Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +
                                                   HANDLING
                                        N-DEX INNER GLOVE
NBR GREEN GLOVES
                                                                               SARANEX
TYPE C RESPIR CONST FLOW
                                        PVC YELLOW OVR BOOT COVER
INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD
                                               DOT PROPERTIES
Inhalation: 2
                            Dermal: 2
                                                                        Flammable: 0
                                                                                                  Health: 0
                                                   Oral: 2
Waste Type
                                              B107
Form Code
                                                   COMMENTS
                                                          FO39 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI BILL SEATTLE SITE TO KENT WA, PER SALES MARC M. CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE PHILLIPS IS THE OWNER OF PHILLIPS, CYANAKEM AND DETROIT SHIPMENTS GET BILLED TO DETROIT BIFF
CHARGE CODE: NS
UNTIL FURTHER NOTICE.
 NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
 AND CHARGES
 PETROCHEM
             NEIC VP0972E01
                                                                                                                   Veolia ES Technical Services
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Sauget, Illinois

Fig. 10 p. 10 - Inc. - med 5 Lormeters - september reservation non- section conservation and

Report: R7008/01 RATE: 10/31/01 ROFILE: C15789

## ONYX ENVIRONMENTAL SERVICES ALLGENDIX L

NOTE NOTE NOTE ACCOMMENDATION OF ACCOMMEND AND ACCOMMEND AND ACCOMMEND ACCOMMEND ACCOMMEND ACCOMMEND ACCOMMEND

PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report
Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER SODIUM

COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE PRESENT AS CATIONIC SPECIES.
HENYLTHIOUREA

1 %

Not included on Waste Profile Summary Report 1021182. SEATTLE WA SHIPMENTS GETS BILLED TO KENT WA.

1 - Lee March 1960 ( Propriet Mineral Control of the Control of th

# **APPROVALS REQUEST FORM**

CIRCLE ONE: AMENDMENT RECERT RUSH
REQUESTED BY: $\langle e \rangle$ DATE: $\frac{10/3}{3}$
GENERATOR INFORMATION:
GENERATOR: Phillip ENU
GENERATOR CONTACT NAME: KeN
GENERATOR PHONE & FAX: 206 762 3362
PROFILE/WIP# CI5789 DATE REQUIRED: 16/3/
REQUEST: Add PO93 Thirouca PhenyL 0-1%
ADDITIONAL INFORMATION:
ROUTE BACK TO REQUESTER: YES NO
REQUEST APPROVED: YES NO NO
REASON NOT APPROVED:
REVISED 10/12/00

TOTAL \* \* With the state of the

<i>1</i> .		Discrepancy Repo	
Date: 5/31/01	Originator: McCoy	Generator: Phil	LiPS SEATTLE WA
			Line #
# of Drums Receive	d:# of Drums Discr	epant:Location	<u></u>
TWI Drum #'s:	<u> </u>		
Generator Drum #'	s:		
		Detail Discrepancy Ch	art
Parameter I	Orum # Should be:	Is:	Comments:
	·		
Detail Discrepancy:	Check Manife	ested Load	FOR 'P-CODE" IF
Load co	ntains P106	FWILL RO	Parile RINSE
Customer Contact N	ame: Ken Alkin		Phone#
Fax #:	Date(s) C	ontacted: 5 30 0	
Resoution: KE	PORT TO TANK	Farm if	Tanker Needs Triple Kinse
			TANK Farm to sign OFF
		Reprofiling Information	FOR Toigle RIAISE
New Profile #:/_	New D.O.T.:	· _	Χ
\ /	aste Codes:		
/\			
		Billing Information	
Price Change: Yes	No Price Changed Fro	om:	Price Changed To:
	•		Line #:
			Date Left:
			Credit Customer: Yes No
Weight of rejects if b	illed by pound:Pı	ırchase Order #:	
			ees:
Person Responsible fo	or the above fees: Generator $\sum$	TWI Was Gene	erator notified of fees? Yes X No
1.		1	Date: 5/30 01
NEIC VP09	•		Veolia ES Technical Services

COMPLETED BY

Veolia ES Technical Services Sauget, Illinois

CHENICAL WASTE MANAGEMENT, INC. Version 06.04 Report: R7008 TWI-CI5789 DATE: 03/14/01 WASTE PROFILE SUMMARY SELLING REGION LAB - MRL NUMBER..... 102-5-022 HISINESS: PHILIP SERVICES CORP PHONE..... 253/627-7568 EXPIRES.....: 01/26/03 ADDRESS 1: 734 S LUCILE ST STATUS.....: APPR FOR SERV FEDERAL EPA ID: WADOOO812909 ADDRESS 2: CITY/ST..: SEATTLE WA 98108-2631 STATE EPA ID..: 9530335007 CONTACT..: TIM SMITH EPA STATUS....: CHK RESTRICT SALES OFFICE ..: PTA WASTE NAME: CYANIDE MIXTURE SOLUTION ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES HIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S ADDL. DESC: (CYANIDE, ARSENIC) NIN - NAX UNIT DESCRIPTION CHENICAL COMPOSITION 10 % 0.1 CYANIDE 99 % 50 WATER HUORIDE 0 0.1 % 0 25 % NON-TRI CHEMICALS ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS 15 % ARSENIC BARIUN CADHIUN LEAD ZINC CHRONIUM Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form. PHYSICAL CHARACTERISTICS NETALS TCA OR TOTAL Nickel as Ni < 200 Physical State ...: Liquid Thallium as Tl < 200 Flash Point....: > = 200  $C\Gamma$ ppm рН..... 12.5 - 14.0 Arsenic as As 200 ppm Barium as Ba 200 Color..... BROWN ppm Cadmium as Cd 200 Odor..... NONE ppm Layers..... Single Layer Specific Gravity: 0.800 - 1.400 Chromium tot Cr < 200 ppm Lead as Pb 100 ppm Mercury as Hg < 0.1 Free Liquids....: 95 - 100 ppm < 200 < 200 TOTAL Silver as Aq ppm Cyanides.... 0.1 To 10.0 % PPN Antimony Sûlfides..... < 3 TOTAL ppm PCB's...... N/A Phenolics..... < 10 Beryllium 200 ppm ppm, Regulated by 40 CFR 761: ppm Potassium < 2000 PPN 57800 DOT UN/NA NBR: UN2927 Sodium ppm % Taxable....: < 200 Treatment Codes..: T07 Vanadium ppm Selenium as Se < 100 Chromium Hex < 500 CRQ RPT QTY....: Material Class: mg/l mg/l EPÂ Permit....: EXP: Hazard Class....: 6.1 State Codes....: 090001 NESHAP: Cert of Dstrct Rq: Y

Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +

NBR GREEN GLOVES

HANDLING N-DEX INNER GLOVE

PVC YELLOW OVR BOOT COVER

TYPE C RESPIR CONST FLOW INDEX/BLUE NITRILE INNER GLOVE CONTAINS CYANIDES - DO NOT MIX W/PH <6 CARCINOGEN - ARSENIC, CADMIUM, LEAD

Dermal: 2

DOT PROPERTIES Oral: 2

Flammable: 0

Health: 0

SUMMARY

Waste Type Form Code

Inhalation: 2

B107

CONNENTS NEED WEIGHT

CHARGE CODE: NS FO39 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI HILL SEATTLE SITE TO KENT WA, PER SALES MARC M. CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE HILLIPS IS MERCOWRER TOP PHILLIPS, CYANAKEN AND

UNTIL FURTHER NOTICE. NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF

SARANEX

AND CHARGES PETROCHEN Page 241 of 412

Veolia ES Technical Services Sauget, Illinois

NEIC VP0972E01

Appendix L WASTE PROFILE SUMMARY ADDENDUM

APENDIX 01.00 PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents Not included on Waste Profile Summary Report Chemical Composition

- MAX UNIT DESCRIPTION

SILVER SODIUM COMMENTS

Report: 87008/01 ROFILE: C15789

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE PRESENT AS CATIONIC SPECIES.

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Historia (1986) in Historia (1986) etti kantainin kantainin kantainin kantainin kantainin kantainin kantainin k
                                          CHEMICAL WASTE MANAGEMENT, Ancendix L
                                                                                                                    Version 06.04
Report: R7008
                                                                                                                    TWI-C15789
                                              WASTE PROFILE SUMMARY
DATE: 03/14/01
                                                                                                                     SELLING REGION LAB - MRL
                                                                                         NUMBER..... 102-5-022
BUSINESS: PHILIP SERVICES CORP
                                                                                         PHONE..... 253/627-7568
DEPT....:
                                                                                         EXPIRES..... 01/26/03
ADDRESS 1: 734 S LUCILE ST
                                                                                         STATUS...... APPR FOR SERV FEDERAL EPA ID: WADOOO812909 STATE EPA ID.: 9530335007
ADDRESS 2:
CITY/ST..: SEATTLE
                                      WA 98108-2631
CONTACT ..: TIN SMITH
                                                                                          EPA STATUS....: CHK RESTRICT
                                                                                         SALES OFFICE ..: PTA
WASTE NAME: CYANIDE MIXTURE SOLUTION
ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (CYANIDE, ARSENIC)
                                                                                       MIN
                                                                                             - MAX
                                                                                                        UNIT DESCRIPTION
                            CHEMICAL COMPOSITION
                                                                                                    10 %
                                                                                         0.1
CYANIDE
                                                                                          50
                                                                                                     99 %
WATER
                                                                                            0
                                                                                                    0.1 %
HUORIDE
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
MERT INORGANIC SALTS
                                                                                            0
                                                                                                     25 %
                                                                                            0
                                                                                                     15 %
     ARSENIC
     BARIUM
     CADMIUM
     LEAD
     ZINC
                                                                                                                                      ŧ
     CHRONIUN
 Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.
               TCA OR TOTAL
                                                                             PHYSICAL CHARACTERISTICS
                                                        Physical State...: Liquid Flash Point..... > = 200
Nickel as Ni < 200
Thallium as Tl < 200
                                      ppm
                                                                                                    C\Gamma
                 < 200
                                      ppm
                                                        pH..... 12.5 - 14.0
Arsenic as As
                  <
                    200
                                                        Color..... BROWN
Parium as Ba
                                                        Color Boome
Layers Single Layer
Specific Gravity 0.800 - 1.400
Free Liquids 95 - 100
Cyanides Sulfides 3
Cadmium as Cd
                     200
                                      ppm
ppm
Chromium tot Cr < Tead as Pb <
                     200
Lead as Pb
                     100
                                      ppm
Mercury as Hg
                 <
                     0.1
                                      ppm
Silver as Ag
                                                                                             0.1 To
                  < 200
                                                                                                                10.0 %
                                                                                                                                  TOTAL
                                      ppm
                 < 200
                                                                                                                       PPN
Antimony
                                      ppm
                                                                                                                                  TOTAL
                                                        Beryllium
                  <
                     200
                                                                                                 ppm, Regulated by 40 CFR 761:
                                      ppm
                     2000
                 <
                                                                                                                       PPN
Potāssium
                                      ppm
Sodium
                     57800
                                      ppm
                                                        % Taxable....:
                                                                                           DOT UN/NA NBR: UN2927
                                                        Treatment Codes..: T07
                     200
Vanadium
                                      ppm
Selenium as Se < 100
Chromium Hex < 500
                                                        CRO RPT QTY.....
                                                                                            Material Class:
Chronium Hex
                                      ng/l
                                                                                                     EXP:
                                                        Hazard Class....: 6.1
                                                         State Codes....: 090001
                                                        Benzene ....:
                                                                                                  NESHAP:
                                                        Packing Group....: II
Process Codes....: BLL
                                                        Cert of Dstrct Rg: Y
Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +
                                                   HANDLING
                                       N-DEX INNER GLOVE
NBR GREEN GLOVES
                                                                               SARANEX
TYPE C RESPIR CONST FLOW
                                       PVC YELLOW OVR BOOT COVER
INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUN, LEAD
                                               DOT_PROPERTIES
Inhalation: 2
                            Dermal: 2
                                                                       Flammable: 0
                                                                                                 Health: 0
```

**COMMENTS** 

NEED WEIGHT

<u>SUMMARY</u> B107 Waste Type Form Code

CHARGE CODE: NS HILLIPS IS THE OWNER OF THE HILLIPS, CYANAKEN AND

UNTIL FURTHER NOTICE. NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF AND CHARGES

PETROCHEN Page 245 of 412

Veolia ES Technical Services Sauget, Illinois

RATE: B7908/01 ROFILE: C15789

CHENICAL WASTE NANAGEMENT WASTE PROFILE SUMMARY ADDENDUM

Version 01.00 APENDIX PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report
Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER SODIUM

COMMENTS METALS LISTED UNDER "INERT INORGANIC SALTS" ARE PRESENT AS CATIONIC SPECIES.

i statistici alici tatistata alla partitata della d

THACKING Q. 4.060000 PRIORITY: 97

PROFILE OF CLOTES DATE WITH FALSE PRIORITY: PRICESS DATE WITH CORP

RENEWATOR: PRIALLY SERVICES CORP

WASTO CATEGORY CODE:

BESCRIFT CYAREDE MENTURE COLUMN

PHYSICAL	DESCRIPTION	WORKSHEET
Receiver	#	
Peceived	Date	

DRUM #	SIZE/TYPE	O/P	COLOR/DESCRIPTION	% FULL	% solid	%riQuiD
1						
2						
3						
4			·			
5						
6						
7						
8				_		
9						
10						
11						
12						
13						
14						
15						
16			***			
17						
18						
19						
20						

TECHNICIAN SIGNATURE	DATE	
LOCATION	COMMENTS	
Net Weight		us
NEIC VP0972E01	Page 249 of 412	Veolia ES Technical Services Sauget, Illinois

#### CONFIRMATION LETTER

March 14, 2001

KEN ALLEN PHILIP SERVICES CORP 20245 77TH AVE S KENT, WA 98032-1362

Re: Confirmation Number 4560606

Attention: KEN ALLEN

We are pleased to confirm ONYX's approval of your waste material as described below. The attached profile for the waste materials was prepared by ONYX based upon information provided by you. It is important that no changes be made to the profile without ONYX's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

ONYX Profile Number:

CI5789 TWI

Approved Mgmt. Facility:

TRADE WASTE INCINERATION

or another ONYX or ONYX approved facility

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Disposal Price:

- \$0.15 per pound, \$2000.00 minimum per shipment

applies.

- \$0.03 per gallon Illinois State fees.

Transportation Price:

- Customer to provide own transportation.

Direct inject tankers may incur additional cost.
Cancelled loads require 48-hour notice or they

will be billed at the regular trip rate.

- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the

the customer to the disposal facility.

Demurrage:

- N/A, Customer to provide own transportation.

Waste Approval Fees:

- Recert approval, no charge.

- Characterization & unknowns are priced upon

request.

Pricing Conditions:

- Tanker Rinseout & Heel Removal Fees:

- \$500.00 Aqueous Rinseout (no solids) plus cost

of solvent used.

- \$1000.00 rinseout fee with <50 gallons of

March 14, 2001

#### Re: Confirmation Number 4560606

rinsable solids plus cost of solvent used.

- \$1000.00 fee for "P" code Triple rinseout plus cost of solvent used.
- \$1000.00 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of >50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.

Profile Expiration Date:

1/26/03

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using an Illinois manifest.

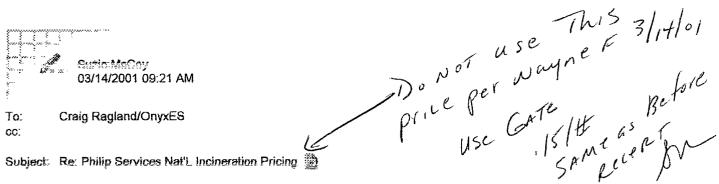
Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by ONYX upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

•

Wild declaration with the way to waste the control of the control

. 7

March 14, 2001
Re: Confirmation Number 4560606
If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.
Suzie McCoy
Onyx Environmental Services, LLC



#### Craig

I am not supposed to send out any recert contract at existing pe pricing that is getting ready to expire without first review by Wayne Fischer. I will hold this and discuss with him. Wayne or myself will let you know what Wayne decision is about the recert contract price.

Okav.

Suzie

# Craig Ragland



To:

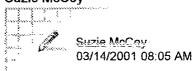
Suzie McCoy/OnyxES@Onyx

Subject: Re: Philip Services Nat'L Incineration Pricing

There was only 1 pe submitted but Jimmy Campbell and I had input on the spreadsheet. Vince authored the pe and spreadsheet but each TPM manages the accounts in thier territory. I thought the PE was nationwide but I saw Vince's note to you it was regional. I will use that pricing as a guideline for the KC and Pacific Northwest locations as well. If there is not something specifically covered on the spreadsheet go with the market rate. The PE is set to expire 5-31 so that we can push for a price increase at that time.

less confused.

#### Suzie McCov



To:

Craig Ragland/OnyxES@Onyx

CC:

Subject: Re: Philip Services Nat'L Incineration Pricing

#### Craio

I did not call you because I think I have a pe that covers ALL Philips locations per Wayne Fishers notes of 1-23-01.

It indicates that the price for a BLL would be \$0.9/#, \$2000.min.

So is this right? And if so, I just want to know what we will charge for Triple Rinse since pe only references cleanouts/washouts.

Also this expires 5-31-01: so was the intention to change the price after 5-31-01 and if so what would it pe so I can send recert contract for correct pricing. Confused.

NEIC VP0972E01

I will send you a copy via email what I am looking at dated 1-23-01.

Let me know.

Suzie

Craig Ragland



Craig Ragiand 03/13/2001 08:58 PM

To:

Suzie McCoy/OnyxES@Onyx

CC:

Subject: Re: Philip Services Nat'L Incineration Pricing

Suzie

Always ask me for pricing in my region first. Use the standard rinse out. What was the price on the stream?

Craig

----- Forwarded by Craig Ragland/OnyxES on 03/13/2001 08:55 PM -----

# VINCE PUHL 03/13/2001 03:53 PM

To:

Suzie McCoy/OnyxES@Onyx

CC:

Craig Ragland/OnyxES@Onyx, Jim Campbell/OnyxES@Onyx

Subject: Re: Philip Services Nat'L Incineration Pricing

We had a little problem with getting the "national" PE put into place since they aren't a national account. I put in a regional PE for my TX stuff using the same spreadsheet, and told Craig and Jimmy to do the same for their regions. I would say go with the book price, but you ought to get Craig's input since this is from his customer.

Let me know what you decide. It is my intention to keep a single spreadsheet for PSC and add any pricing so we are all on the same page. That way we can treat the pricing as national, but have it entered on a regional basis as far as PE's go.

Suzie McCoy



Suzie McCoy 03/13/2001 08:53 AM

To: ·

Vince Puhl/OnyxES@Onyx

CC.

Subject: Philip Services Nat'L Incineration Pricing



Hello Vince

I have a recert profile for Philip Services in Seattle Wa (CI5789)

PARTY NOTE TO THE TAXABLE PROPERTY OF THE PARTY OF THE PA

I have a copy of the Natl Pricing effective 1-15-01; however it does not detail what are price is for "P-Listed" Triple Rinse. Our standard pricing is \$1000.00.

On this particular profile the p code would apply. What shall I put in the contract for Triple Rinse?

Please reply

Thx Suzie



The Control of the Co

To:

Craig Ragiand/OnyxES

cc:

Subject: Re: Philip Services Nat'L Incineration Pricing

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Let me know.

#### Suzie

#### Craig Ragland



To:

Suzie McCoy/OnyxES@Onyx

ĊĊ:

Subject: Re: Philip Services Nat'L Incineration Pricing

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Craig

-- Forwarded by Craig Ragland/OnyxES on 03/13/2001 08:55 PM ----

VINCE PUHL 03/13/2001 03:53 PM

To:

Suzie McCoy/OnyxES@Onyx

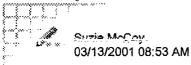
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Subject: Re: Philip Services Nat'L Incineration Pricing

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Suzie McCoy



To:

Vince Puhl/OnyxES@Onyx

CC:

Subject: Philip Services Nat'L Incineration Pricing



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and the second and the control of th

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Please reply

Thx Suzie

stream?
Crain

--- Forwarded by Craig Ragland/OnyxES on 03/13/2001 08:55 PM ------

VINCE

PUHL

03/13/2001 03:53 PM



To:

Suzie McCoy/OnyxES@Onyx

CC:

Craig Ragland/OnyxES@Onyx, Jim Campbell/OnyxES@Onyx

Subject: Re: Philip Services Nat'L Incineration Pricing

Carl 1988 F. C. C. C. S. Block Charles Continues and Secretary Continues and Carl Continues of the Continues

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Suzie McCoy



Suzie McCay

03/13/2001 08:53 AM

To:

Vince Puhl/OnyxES@Onyx

CC:

Subject: Philip Services Nat'L Incineration Pricing



#### Hello Vince

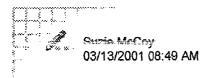
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Thx Suzie



To:

Vince Puhl/OnyxES,

CC:

Subject: Philip Services Nat'L Incineration Pricing

\$ 70.3 Workstand Williams - Complete Meeting to a complete Meeting of the complete of the comp

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Please reply.

Thx Suzie

# SAFETY & PPE PREPARATION SHEET

# PPE AS400 HANDLING CODES

# **GLOVES**

_ 60 GLOVES	79 BUTYL RUBBER GLOVE
_ 61 or 75 PVC GLOVE	√ 80 N-DEX INNER GLOVE
62 or 76 NITRILE (NBR) GLOVE	81 4H INNER GLOVE
63 or 77 NEOPRENE GLOVE	82 VITION GLOVE
_ 78 PVA GLOVE	83 NITTY GRITTY GLOVE
PSC COMMENT – KAPPLER's CHEM-TAPE 2	
PERSONAL PROT	TECTIVE EQUIPMENT
84 PPE	90 NOMEX
_ 85 TYVEK PROSHIELD I, II	91 (OPEN)
¥64 or 86 SARANEX	92 (OPEN)
88 CPF 3	93 (OPEN)
89 CPF 4	
RESPIRATO	RY PROTECTION
94 RESPIRATORY PROTECTION	97 COMBINATION ORG/ACID GAS
67 PESTICIDE CARTRIDGE	0A ACID CARTRIDGE
70 AMMONIA GAS CARTRIDGE	0B ORGANIC CARTRIDGE
71 or 95 FULL-FACE RESPIRATOR	OC DUST CARTRIDGE
96 HEPA CARTRIDGE	OD TYPE C RESPIR. CONSTANT FLOW
. В	BOOTS
_ 0E BOOTS	0G YELLOW RUBBER OVERBOOT
$\chi$ of PVC yellow over boot cover	OH BLACK OVER THE SOCK BOOT
2 INHALATION	5 <sub>INGESTION</sub>
IST OTHER PPE:	
COMMENTS:	
	nce: Confirmation: MAS:

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# **APPROVALS REQUEST FORM**

CIRCLE ONE: AMENDMENT RECERT RUSH
REQUESTED BY: Ken Allen Smeloy DATE: 3/2/01
GENERATOR INFORMATION:
GENERATOR: Philip Services
GENERATOR CONTACT NAME: Ken Allen Seattle We
GENERATOR PHONE & FAX: 206 762 3362
PROFILE/WIP# CI 5789 DATE REQUIRED: 3 14 0
·
wants to ship
ADDITIONAL INFORMATION:
ROUTE BACK TO REQUESTER: YES NO
REQUEST APPROVED: YES NO
REQUESTED BY: Ken Allen   SMC(04 DATE: 3/2/01)  GENERATOR INFORMATION:  GENERATOR CONTACT NAME: Ken Allen   Seattle W  GENERATOR PHONE & FAX: 206 762 3362  PROFILE/WIP# CI 5789 DATE REQUIRED: 3/4/0  REQUEST: Did Not automate allyreces  Expired 1/01 Customler  Wants to Single  ADDITIONAL INFORMATION:  ROUTE BACK TO REQUESTER: YES   NO
REVISED 10/12/00 TC

# WASTE MANAGEMENT DECISION

Page		:	

1

Date 3/12/01 Time 17:02:37

. The second contrast of the second contrast  $\hat{\boldsymbol{x}}_{i}$ 

	Location of Origin	al MIDWEST RE	SIUNAL LAD
I.	Generator and Facility Information  Decision Site TRADE WASTE INC  Proposed Management Facility TRADE WASTE INC  **** This Decision is APPROVED		Tracking #: 4560606 Priority : 97 Profile # : CI5789 Date Received: 03/12/01 Effective Date: 03/12/01 Generator : PHILIP SERVICES CORP Waste Category Code: Description : CYANIDE MIXTURE SOLUTION
п.	Decision to Deny Approval for Management of W	aste	
	Reason for Denying Approval		
Final	1 Approval	Name (print)	Date
III.	Decision to Approve		
	a) Approved Management Methods Incineration		
	b) Precaution Conditions or Limitations on A	pproval	
	(1) <u>Site Conditions</u>		
	(2) <u>Contracting Conditions</u>		
	<ul> <li>(3) Site and Contracting Conditions</li> <li>Bulk liquids: Material which can</li> <li>Bulk shipments must be pumpable and 1/8" screen.</li> <li>Notification &amp; Certification for approved containers.</li> <li>manifest.</li> </ul>	with a	offloaded will be returned to the generator. centrifugal pump and solids must pass through A signed and completed Land Disposal accompany each shipment. (copy enclosed) All shipments must be made using an Illinois
	c) Analytical Requirements for Each Load MANDATORY ANALYSIS PER WAP		
	d) <u>Decision Expiration Date</u> 01/26/03		
īv.	Final Decision		
	State any Additional Precautions, Conditions,	or Limitation	<u>s</u>
Final	1 Approval	Name (print)	KELLY MEREDITH Date 03/12/01

(_)	Check here if this is a Recertification	LOCATION OF O	RIGINAL CWM, INC 1	PORT ARTHUR		
GEN	ERAL INFORMATION Generator Name: PHILIP SERVICES CORP		Generator USEPA ID:	WAD000812909	_	
			. m/17/2 m/4/	CYANOKEM INC		
۷.	Generator Address: 137 5 noting 51		(_) Same	12381 SCHAEFER HW	Y	
	SEATTLE WA 98108-2631					
	Technical	 253/627-7568	•	DETROIT	MI	48227-3421
4.	Alternate		Billing Contact/Phone:		-	
		200/102_3302				
PRO 5.	PERTIES AND COMPOSITION Process Generating Waste: <u>CYANIDE COMSOLIDATIO</u>	N FROM OUTSIDE	SOURCES			
6.	Waste Name: CYANIDE MIXTURE SOLUTION					<del></del>
7A. B.	Is this a USEPA hazardous waste (40 CFR Part Identify ALL USEPA listed and characteristic	261)? Yes (X waste code nu	) No (_) mbers (D,F,K,P,U): <u>D</u>	002 D003 D004 D005	D006 D007	D008 D009 D010
	D011 F001 F002 F003 F004 F005 F006 F007 F008	F009 F011 F01	2 F019 P106 S	tate Waste Codes:	090001	
8.	Physical State ( 70F: A. Solid(_) Liquid( <u>X</u> ) Bo	th(_) Gas(_) B	. Single Layer ( $\underline{X}$ ) M	ultilayer (_) C. F	ree liq. r	ange <u>95</u> to <u>100</u> %
9A.	pH: Range $\underline{12.5 \text{ to } \underline{14.0}}$ or Not applicable (_)	B. Strong O	dor (_);describe			
10.	Liquid Flash Point: < 73F (_) 73-99F (_) 100	-139F ( ) 140	-199 <b>F</b> ( ) >= 200 <b>F</b> (	X) N.A. ( ) Clos	ed Cup (X)	Open Cup (_)
	CHEMICAL COMPOSITION: List ALL constituents Constituents	<b>\_</b> ,	ated organics) prese	•	ation and	
	CYANIDE			o 10 &		
	WATER		50 t			
	FLUORIDE		<u>0 t</u>			
	NON-TRI CHEMICALS		0 t			
	ORGANICS, REGULATED AND NON - REGULATED.		<u> </u>	o		
	INERT INORGANIC SALTS TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%)	:		0 15 % 149.100000		See attachi
12.	OTHER: PCBs if yes, concentration M Radioactive (_) Benzene if yes, concentration (X) Infectious (_) Other _	ppm, PCB	s regulated by 40 CF ppm. NES	R 761 (_). Pyroph HAP (_) Shock Sens	oric (_) itive (_)	Explosive (_) Oxidizer (_)
13.	If waste subject to the land ban & meets trea	tment standard	s, check here: _ & s	upply analytical r	esults whe	re applicable.
SHI	PPING INFORMATION			211		
	PACKAGING: Bulk Solid (_) Bulk Liquid (X) D					
15.	ANTICIPATED ANNUAL VOLUME: 5000 Units:	GALLIONS	Sulpping	rrequency: WEEK		
SAN 16a	PLING INFORMATION . Sample source (drum, lag <mark>oon, pond, tank, vat</mark>	, etc.):		Sample	Tracking	Number: <u>4531060</u>
	Date Sampled: Sampler's Name/Compan					
16b	. Generator's Agent Supervising Sampling:		17	. (_) No sample re	quired (Se	e instructions.)
GEN I h thi rel Ony	ERATOR'S CERTIFICATION ereby certify that all information submitted i s waste. Any sample submitted is representativ evant information regarding known or suspected x Environmental to obtain a sample from any wa	n this and all e as defined i hazards in th ste shipment f	attached documents n 40 CFR 261 - Appen e possession of the or purposes of recer	contains true and dix I or by using generator has been tification.	accurate d an equival disclosed	escriptions of ent method, All , I authorize
	nature on original profile CI5789					
	nature on original profile CI5789 Signature NEIC VP0972E01	Pag	ge 277 of 412	me and Title Vec	olia ES Tech	<b>Date</b> nnical Services

- 18. This is a Nonwastewater.
- 19. If this waste is subject to any California list restrictions enter the letter from below (either A, B.1 or B.2) next to each restriction that is applicable:
  \_\_\_\_ HOCs, \_\_\_ PCBs, \_\_\_ Acid, A\_\_ Metals, A\_\_ Cyanides
- 20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

	A. US EPA HAZARDOUS	B. SUBCATEGORY Enter the subcategory description	n.	C. APF	C. APPLICABLE TREATMENT STANDARDS				
REF	WASTE CODE(S)	Enter the subcategory description of applicable, simply check none		PERFORMANCE- BASED: Check as applicable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) 268.42	MANAGED? Enter letter from below			
	-	DESCRIPTION I	ONE	268.41(a) 268.43(a)	268.42	<u> </u>			
1	D002	Non-CWA, Non-Class 1 managed corrosive char. wastes			DEACT	A			
2	D003	REACTIVE CYANIDES				A			
3	D004		X_			A			
4	D005		X			A			
5	D006		X			A			
6	D007		X			A			
7	D008		X			A .			
8	D009	LOW MERCURY, < 260 PPM				A			
9	D010		X			A			
10	D011		X		i !	A			
11	F001		X		INCIN	A			
12	F002		X		INCIN	A			
13	F003		X		INCIN	A			
14	F004		X		INCIN	A _			
15	F005		X		INCIN	A			
16	F006		X			A			
17	F007		X			A			
18	F008		X		i !	A			
19	F009		X			A			
20	F011		X	i 	1	A			
21	F012		X			A			
22	F019		X	i i		A			
23	P106		X			l A			
					1				

Management	under	the	land	disposa!	l restrictions:

- A. RESTRICTED WASTE REQUIRES TREATMENT
- B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
- B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
- B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

Constitution of the state of th

- C. RESTRICTED WASTE SUBJECT TO A VARIANCE
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
- E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

71.	is this waste a soil or debris?	NO: $\underline{\mathbf{X}}$ 1es,	2011; _	res, Debris: _			
22.	Specific Gravity Range:800 to	1.400					
23.	Indicate the range of each:	Ū	Units				
	Cyanides:0.1 to	10.0	<u> </u>	Type (free, total, a	menable, etc.)	TOTAL	
	Cyanides: _ None to		<del></del>	Type (free, total, a	menable, etc.)		
	Sulfides: ≤ 3 to		PPM	Туре		TOTAL	
	Optional Phenolics: ≤ <u>10</u> to		PPN				
24.	Identify the waste color BROWN		, D	OT physical state <u>Li</u>	quid		

REPRESENTATION OF SELECTION ASSOCIATION ASSOCIATION OF SECTION OF

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION	26. RECLAMATION, FUELS OR INCINERATION PARAMETERS (Provide if information is available)
TOTAL	RANGE
Beryllium as Be < 5000ppm	
Potassium as K 10000 ppm	
Sodium as Na 88000 ppm	
Bromine as Br < 5 %	D. Ash: %
Chlorine as Cl < 5	E. Settleable solids: %
Fluorine as F < 5	F. Vapor Pressure & STP (mm/Hg):
Sulfur as S < 5	G. Is this waste a pumpable liquid? Yes X No _
	H. Can this waste be heated to improve flow? Yes _ No X
	I. Is this waste soluble in water? Yes X No_
	J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes X No _
	ENIC)
C. DOT Regulations: <u>United Nations</u> Hazard Class: <u>6.1</u> <u>J</u> D. CERCLA Reportable Quantity (RQ) and units (Lb, Kq):	
E. Non-Bulk code 202 Bulk code 243	
F. Special Provisions <u>T42</u>	
G. Labels Required POISON OR TOXIC CORROSIVE	
28. SPECIAL HANDLING INFORMATION	
INDEX/BLUE NITRILE INNER GLOVE	
ACTUAL THE STATE OF THE STATE O	
CARCINOGEN - ARSENIC, CADMIUM, LEAD	
_ Material Safety Data Sheets Attached	
29. OTHER INFORMATION	
GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT WASTE M	UST CONTAIN SUFFICIENT ORGANIC CONTENT OR
CYANIDE FOR INCINERATION.	

30. ONYX ENVIRONMENTAL SERVICES CERTIFICATION

Only Environmental Services, LLC has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

METALS	Check o	TCLP Informationly ONE for each	ch cons n. ma/]	i	TCLP Data			units	or per	mg/l, mg/kg	
	Less Than	! Regulated	Equal or More	Waste No.	TCLP Actual	- 1	Requ	lated	Equal or More	Actual	
Arsenic as As		5.0 mg/l	X	D004			500	mg/1	i !	<200	ppm
Barium as Ba	<u> </u>	100.0 mg/l	X	D005					<u> </u>	<200	ppm
Cadmium as Cd		1.0 mg/l	X	D006		<u> </u>	100	mg/1	<u> </u>	<200	ppm
Chromium tot Cr	<u> </u>	5.0 mg/l	X	D007					<u> </u>	<200	ppm
Lead as Pb	t 1	5.0 mg/l	X	D008			500	mg/l	<u>i</u>	<100	ppm
Mercury as Hq	X	.2 mg/l_		D009			20	mg/1	i ! 	<0.1	ppm
Selenium as Se	X	1.0 mg/l		D010		X	100	mg/l			
Silver as Ag	1	5.0 mg/l	X	D011					<u> </u>	<200	_ppm_
Nickel as Ni					i		134	mg/l		<200	ppm
Thallium as Tl						X	130	mq/l	i !	<200	ppm
Chromium Hex			1			X	500	mg/1_			
Antimony	i !								í !	<200	ppm
<u>Beryllium</u>	( 				<u></u> -				í !	<200	ppm
Copper	! ! !	! ! !							i !		
<u>Vanadium</u>		1				}			<u> </u>	<200	ppm
Zinc	i !	1							1 1		
<u>Potassium</u>		1							i i i	<2000	ppm
Sodium									 	57800	ppm
	i 	<u> </u>							i !		
	i !								i !		
	i !	<u> </u>									
	i !	1							i !		

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

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ORGANICS	TCLP Information: Check only ONE for each constituent				TCLP Data	TCA or TOTAL Use units: ppm, mg/l or
	Less Than	Regulated	Equal or Nore	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l	
Benzene	X	0.5 mg/l	<u>.</u>	D018		
Carbon Tetrachloride	X	0.5 mg/l	<u> </u>	D019		
Chlordane	X	0.03 mg/l	<u> </u>	D020		
Chlorobenzene	<u> </u>	100.0 mg/l	<u> </u>	D021		1
Chloroform	X	6.0 mg/l	<u> </u>	D022		<u> </u>
m-Cresol	X	200 mg/l	!	D024		
o-Cresol	X	200.0 mg/l	<u> </u>	D023		<u> </u>
p-Cresol	X	200.0 mg/l		D025		<u> </u>
Cresol	X X	200.0 mg/l	<u> </u>	D026		<del> </del>
2,4-D	X_	10.0 mg/l	<u> </u>	D016		<del> </del>
1,4 Dichlorobenzene	X	7.5 mg/l	!	D027		<u> </u>
1,2-Dichloroethane	X	0.5 mg/l	<u> </u>	D028		1
1,1-Dichloroethylene	<u> </u>	0.7 mg/l	<u> </u>	D029		
2,4-Dinitrotoluene	X	0.13 mg/l	<u> </u>	D030		<u> </u>
Endrin_	X	.02 mg/l		D012		
Heptachlor, & Hydroxide	<u> </u>	0.008 mg/l	<u> </u>	D031		<u> </u>
Hexachloro-1,3 Butadiene	<u> </u>	0.5 mg/l	!	D033		<u> </u>
Hexachlorobenzene	X	0.13 mg/l	1	_D032		<u> </u>
Hexachloroetha <u>ne</u>	<u> </u>	3.0 mg/l		D034		i i
Lindane	X	0.4 mg/l	!	D013		
Methoxychlor	X	10.0 mg/l	!	D014		
Methyl Ethyl Ketone	X	200.0 mg/l	<u> </u>	D035		
Nitrobenzene	X	2.0 mq/l	<u> </u>	D036		
Pentachlorophenol	<u> </u>	100.0 mq/l	<del>\</del>	D037		<u> </u>
Pyridine	X	5.0 mg/l		D038		-
Tetrachloroethylene	<u>  x</u>	0.7 mg/l	<u> </u>	D039		<del> </del>
Toxaphene	X	0.5 mg/l	<u> </u>	D015_	<u> </u>	
2,4,5-TP Silvex	X	1.0 mg/l	-	D017		
Trichloroethy <u>lene</u>	<u> </u>	0.5 mg/l	<u> </u>	D040_		· · · · · · · · · · · · · · · · · · ·
2,4,5-Trichlorophenol	X	400.0 mg/l		D041		
2,4,6-Trichlorophenol	X	2.0 mg/l	-	D042		
Vinyl Chloride	X	0.2 mg/l		D043		
	-	<del> </del>	-			

## ATTACEMENT 2

CHENICAL COMPOSITION: Additional const Constituents	ituents NOT included on page l Range	of the Waste Profile Unit Description	
ARSENIC		to	
BARIUN		to	
CADMIUM		to	
LEAD	·····	to	
ZINC_		to	
CHRONI UN		to	
SILVER		to	
SODIUM		to	
COMMENTS		to	
METALS LISTED UNDER "INERT INORGA	NIC SALTS" ARE	to	
PRESENT AS CATIONIC SPECIES.		to	
UHC Constituent	Management Method		
Cyanides (Total)	<u> </u>		
Cyanides (Amenable)	<u>A</u>		
Arsenic	<u> </u>		
Cadmium	<u>A</u>		
Chronium (Total)	A		

Solvent Constituent

Lead

Selenium Silver

Management Method

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Fig., Weight 577 (17) (17) (18) - Heiling of Statements (1) - Allen College Berger, Fig. (2) (2) (2) (2)

# MISCELLANEOUS PROFILE FIELDS

Selling Region Lab: MRL Master Profile No.: PTA-NC Sales Office: PTA Location Orig: PTA Location Orig: 1/26/03 Approved : 3/17/01 Signed Profile Present: Y Change Pending: N Waste Status: A Site (DCS) Status: X REO FOR DCS DOWNLOAD Prof. Tracking No: 4531060
Fuels Approval.: % OR Range: % Pumpable Liquid Exact: % OR Range: % Type of Pump. :: Additional Anticipated Vol: Per: _ Unit Code/Des:
Handling Codes: 62 NBR GREEN GLOVES 88 CPF 3 0F PVC YELLOW OVR BOOT COVER  80 N-DEX INNER GLOVE TYPE C RESPIR CONST FLOW
EPA Data: Status Code: C
Percent Taxable: No. of Labels: Download Generator: 1025022 Material Class.: DCS Generator \$\frac{1}{2}\$: \frac{5844030974}{2}\$  Treatment Codes: T07  Process Codes .: BLL Schedule Category: ILLB  Schedule Interval: Hal. Org. Compounds.: RCRA Reactive: Pesticide Mfg. Waste: Etiologic: Water Reactive: Pesticide Mfg. Waste: Ignition Screen : Gas Evolution : Wet Zone: Vapor Concentration Boiling Point F Is Gas Ignitable? Corrosive to Steel or Aluminum Organic Peroxide Chemical Family Name
GENERATOR FROM PAGE 1 Business Name USEPA ID Rltn Contract in Place at Expires on Evergreen Contract PHILIP SERVICES CORP WADOO0812909 G
ADDITIONAL BUSINESSES  Business Name
ADDITIONAL PROFILE COMMENTS  Cat Comment  CSR REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH  CSR REVIEWED FOR PHASE II LDR  CSR K/GEN BLL 1-26-01 AFS TWI  CSR SHIPMENT NOR DOES THE P-CODE PER KEN ALLEN 6-30-00  PSC NEED WEIGHT  PSC UNTIL FURTHER NOTICE.  PSC NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF  PSC AND CHARGES  PSC PETROCHEM  PSC PETROCHEM  PSC THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY  Cat Comment  CSR MGR APPROVAL.*****F039****  CSR GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT  CSR GENERATOR WILL PROVIDE UHC'S W/EACH SHIPMENT  CSR LOAD DELIVERY 7-5-00 F039 DOES NOT APPLY FOR THIS  CHARGE CODE: NS  PSC CHARGE CODE: NS  PSC DELIVERY 11-1-00 FROM PROFILE. UNACCEPTABLE AT TWI  PSC DELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO  TO THIS PARTICULAR SHIPMENT \$1000.00
SUPPLEMENTAL FIELDS         Field       Value         WSTTP       B107         FRNCD       1         TPCDI       M041         TWIAD       Y

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Date Printed <u>3/12/01</u>

# Profile Change History

Profile TWI CI5789

This section lists comments describing changes made to the profile.

Profile Change Comments	Date	User
MRL/BP3414 Entire profile copied to MRL/CI5789	1/19/98	WMO911TTT
	1/19/98	WMO911TTT
TWI APPROVAL	2/04/98	WMO911TTT
MRL/CI5789 Entire profile copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WMO911TTT
X	2/04/98	WMO911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WMO911TTT
NRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WMO911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WMO911TTT
MRL/CI5789 Change Log copied to TWI/CI5789 MRL/CI5789 Core Profile Info copied to TWI/CI5789	r /41 /66	WMO911CAT
ADDED DOOS AND DOOS (LOW HG <260 PPM) PER MANIFEST	5/21/98	WMO911CAT
RECEIPT AND LAN BAN	5/21/98 5/21/98 5/21/98 5/21/98 7/30/98 7/30/98 1/26/99	
MRI/CI5789 Change Log copied to TWI/CI5789 LHB/ Added Cyanokem- Philip location per Mike Ulendorf of Philip in Renton, WA MRI/CI5789 Core Profile Info copied to TWI/CI5789	5/21/98	
LHB/ Added Cyanokem-Philip location per Mike	7/30/98	WMO233LHB
Ulendorf of Philip in Renton, WA	7/30/98	WMO233LHB
MRL/CI5789 Core Profile Info copied to TWI/CI5789	1/26/99	WMO346RJL
LIV UPCEUT:	1/44/77	WMO346RJL
NRL/CI5789 Change Log copied to TWI/CI5789	1/26/99	
MRL/CI5789 Core Profile Info copied to TWI/CI5789	10/28/99	WMO911KES
NRI/CI5789 Core Profile Info copied to TWI/CI5789 REMOVED F039-UNACCEPTABLE AT TWI UNTIL FURTHER NOTICE. NRI/CI5789 Change Log copied to TWI/CI5789	10/28/99	WMO911KES
NOTICE.	10/28/99	
MRL/CI5789 Change Log copied to TWI/CI5789	10/28/99	WMO911KES
ADDED 1009166 AS A GENERATOR	2/11/00	
MRL/CI5789 Core Profile Info copied to TWI/CI5789	3/12/01	
UPDATED FOR TWI RECERT	3/12/01	
MRL/CI5789 Change Log copied to TWI/CI5789	3/12/01	WHO911KEM

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Date Printed 3/12/01

# Schedule Categories

Profile # TWI CI5789

Category

Description Low BTO Bulk Liqui

Container Tank Trucks

## Pricing Comments

Disposal Price - Need PE if off-gate, no min, or no approval fee - \$2,000 minimum applies. - If T & D bundled 40,000 pound minimum applies.

- If T & D bundled 10,000 pound minimum applies.
  Transportation Price
   Load/Trip/Mile
   \$425 minimum for trips less than 100 miles.
   \$3.60 per loaded mile.
   \$150 per day tanker rental.
   Direct inject tankers may incur additional cost.
   Cancelled loads require 48-hour notice or they will be billed at the regular trip rate.
   Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility.
  Demurrage

Demurrage

- \$85 an hour after 1 1/2 hour loading time.
waste Approval Fees
- \$150 paperwork approvals (no analytical).
- \$500 analytical approval.
- Characterization & unknowns are priced upon request.

Pricing Conditions

- Tanker Rinseout & Heel Removal Fees:
   \$500 aqueous rinseout fee (no solids) plus
  - cost of solvent used.
     \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
     \$1,000 fee for "P" code triple rinseout plus

- rinseable solids plus cost or solvent used.

   \$1,000 fee for "P" code triple rinseout plus cost of solvent used.

   \$1,000 minimun tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.

   Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.

   A \$300.00 minimum disposal fee for drums per profile number, per shipment.

   Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.

   Containers <55 gallons for liquids will be prorated per gallon with a \$XX.XX minimum.

   \$75.00 per drum for any overpacked material.

   Metal drums containing EPA P-waste codes will be surcharged as follows:

   \$25.00 for 1 to 9 gallon drums.

   \$100.00 for 30 to 55 gallon drums.

   \$100.00 for 30 to 55 gallon drums.

   Discrepant material will be surcharged on a case-by-case basis.

- case-by-case basis.

1-30-98 ; 15:35 ;CHEM WASTE PT.ARTHUR→

IEM WASTE PT.ARTHUR→ 618 271 9704;# 2/ 3

Port Arthur Analytical Report

Sample ID Number: 537271

Page: 1

Profile: CI5787 Generator:

eng Mygright (1900) in de 2000 groupe (1900) in de 2000 groupe (1900) in de 2000 groupe (1900) de 2000 groupe (

Class: BULK-L

Received: 26 JAN 1998 11:14:00 Completed: 26 JAN 1998 12:29:00

Turnaround Time (hours): 1.25

, :	Wet Chemistry Analytical	Result		Date	Analyst	
. 1	Ash(%):	8.59	2	6 JAN 1998	OAI	
	High Heat Value (Btu/lb):	< 450	<b>j</b> 2	6 JAN 1998	EMJ	
	Bromide(%):	< 0.1	2	6 JAN 1998	EMJ	
	Chloride(%):	0.736	2	6 JAN 1998	EMJ	
	Fluoride(%):	< 0.1	2	6 JAN 1998	EMJ	
	Sulfur(%):	< 0.1	2	6 JAN 1998	EMJ	
	Water(%):	77.2	2	6 JAN 1998	QAI	
	Viscosity(cP):	< 20	2	6 JAN 1998	ARG	
	w Heat Value(Btu/lb): -521 X(%): .936				t(%): 14.21 H/g Sx): .01	

## Fingerprint Date: 26 JAN 1998 . . . F

Color: .....Brown pH Screen: .... Water Mix React Odor: ......None Number of Layers: 1 Water Mix Solul Physical State: ..Liquid Flammability S Viscosity: .....LOW Cyanide Screen Free Liquids (%): 100 Sulfide Screen Radiation Scre Turbidity: .....Opaque Tackiness Scre Specific Gravity: 1.1175 pH by Meter:....N/A pH Adjustment: Percent Solids: ..<10 Filter Time:

Ref this annhouse for

Same exact waste as

Tank: T505 ... Compatibility: No Reactio Tank: T522 ... Compatibility: No Reactio

due to Billing.

PCB Analysis Date: 27 JAN 1998 . . . PCB Analysis

PCB Quantification Limit: 50 PCB Units: PPM

Aroclor 1016: < LOQ | Aroclor 1221: < LOQ | Aroclor 1232: < LOQ Aroclor 1242: < LOQ | Aroclor 1248: < LOQ | Aroclor 1254: < LOQ Aroclor 1260: < LOQ | Total PCBs: < LOQ

SENT BY:

nii - parta 1980 taria in 1980 taria maaanna maana - maanaan taria ay maana ay maanaan ah ah ay ay ay 1-30-98 ; 15:35 ; CHEM WASTE IT. AKTHUK-

Appendix L

Port Arthur Analytical Report

Sample ID Number: 537271

Page: 2

Profile: CI5787 Generator:

Class: BULK-L

010 2/1 3/04,# 3/ 3

Received: 26 JAN 1998 11:14:00

Completed: 26 JAN 1998 12:29:00

Turnaround Time (hours): 1.25

Comments: OXIDIZER: NEG

CCFP>140DEG F,GCG-01/30/98

Report printed 15:10:58 30 JAN 1998

Bi.

	Appendix L REPORT	TO:	
TWI SAMPLE NO.: SAMPLE DESCRIPTION:	/I NON-ROUTINE SAMPLE R -/3/98 142/38 Receiver/Profile No.: Generator: Commodity:	EPORT	
ANALYSIS	RESULT	<u>DATE</u>	AHALYST
PCP 2,4,5,T silvex	COS ppm Cos ppm	2-2-98	FIFF Smit / FAH
· .	REVIEWED BY: CHB	Lab Manag	er

THIS SAMPLE WAS COLLECTED ACCORDING TO APPLICABLE SW-846 PROCEDURES.

This report has been prepared for the exclusive use and benefit of Gemical Waste Management. No representation concerning sample validity or analytical accuracy or completeness is hereby made to any other person receiving this report.

mhw PAUL 11

l

::::

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Version 06.04
                                              CHENICAL WASTE MANAGEMENT, ADMICANIX L
Report: R7008
                                                                                                                              TWI-CI5789
                                                  WASTE PROFILE SUMMARY
DATE: 10/18/00
                                                                                                                              SELLING REGION LAB - MRL
                                                                                                 NUMBER..... 102-5-022
EUSINESS: PHILIP SERVICES CORP
                                                                                                 PHONE.....: 253/627-7568
EXPIRES.....: 01/26/01
DEPT......
ADDRESS 1: 734 S LUCILE ST
                                                                                                 STATUS..... APPR FOR SERV FEDERAL EPA ID: WAD000812909
ADDRESS 2:
CITY/ST..: SEATTLE CONTACT..: TIN SMITH
                                         WA 98108-2631
                                                                                                 STATE EPA ID..: 9530335007
                                                                                                 EPA STATUS...: CHK RESTRICT SALES OFFICE..: PTA
WASTE NAME: CYANIDE MIXTURE SOLUTION
ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES
HIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (INORGANIC CYNÂNIDE, ARSENIC)
                              CHEMICAL COMPOSITION
                                                                                              MIN
                                                                                                     - NAX
                                                                                                                 UNIT DESCRIPTION
                                                                                                 0.1
                                                                                                             10 %
CYANIDE
                                                                                                  50
                                                                                                             99 %
WATER
                                                                                                   0
                                                                                                            0.1 %
FLUORIDE
                                                                                                             25 %
                                                                                                   n
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
INERT INORGANIC SALTS
                                                                                                   0
                                                                                                             15 %
      ARSENIC
      BARIUM
      CADNIUM
      LEAD
      ZINC
  Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.
                                                                                   PHYSICAL CHARACTERISTICS
                TCA OR TOTAL
Nickel as Ni < 200
Thallium as Tl < 200
                                                             Physical State ...: Liquid
                                         mqq
                                         bbar
bbar
bbar
                                                             Flash Point..... > = 200
                                                                                                            C\Gamma
                                                             pH..... 12.5 - 14.0
Arsenic as As
                 <
                      200
                      200
                                         bbw
bbw
Barium as Ba
                   <
                                                             Color..... BROWN
Cadmium as Cd
                   <
                      200
                                                             Odor..... NONE
                                                             Layers...... Single Layer
Specific Gravity.: 0.800 - 1.400
Free Liquids..... 95 - 100
Chromium tot Cr < 200
                                         bbur
bbur
bbur
Tead as Pb
                      100
                 < 0.1
Mercury as Hg
                  < 200
< 200
< 200
< 200
< 2000
Silver as Ag
                                         bbw
bbw
                                                             Cyanides..... < 3
                                                                                                                         10.0 %
                                                                                                                                              TOTAL
                                                                                                    0.1 To
                                                                                                                                 PPM
Antimony
                                                             Beryllium
                                          ppm
                                                                                                         ppm, Regulated by 40 CFR 761:
Potassium
                                         ppm
                                                                                                                                 PPM
                                                             % Taxable......
Treatment Codes..: T07
                       57800
                                                                                                  DOT UN/NA NBR: UN2927
Sodium
                                         ppm
Vanadium
                   < 200
                                                             CRO RPT QTY.....: 1
EPÀ Permit.....:
Hazard Class....: 6.1
Selenium as Se < 100
                                         'nġ/]
                                                                                                   Material Class:
Chromium Hex
                   < 500
                                                                                                             EXP:
                                         mq/1
                                                             State Codes....: 090001
                                                             Benzene ....:
                                                                                                           NESHAP:
                                                             Packing Group...: II
Process Codes...: BLL
Cert of Dstrct Rq: Y
Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +
                                                       <u>HANDLING</u>
                                           N-DEX INNER GLOVE
                                                                                      CPF 3
NBR GREEN GLOVES
TYPE C RESPIR CONST FLOW
                                           PVC YELLOW OVR BOOT COVER
INDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD
                                                  DOT PROPERTIES
                                                       Oral: 3
                                                                             Flammable: 0
Inhalation: 3
                              Dermal: 3
                                                                                                         Health: 0
                                                       SUMMARY
                                                 B107
Waste Type
Form Code
                                                       COMMENTS
CHARGE CODE: NS
                                                               NEED WEIGHT
FO39 REMOVED FROM PROFILE. UNACCEPTABLE AT TWI
EILL SEATTLE SITE TO KENT WA, PER SALES MARC M.
CODE IS APPLICABLE IF SO REQUIRES TRIPLE RINSE
                                                               UNTIL FURTHER NOTICE.
                                                               NOTE: P-LISTED MATERIAL - CHECK WITH CUSTOMER IF
                                                               AND CHARGES
HILLIPS IS THE OWNER OF PHILLIPS, CYANAKEN AND
                                                               PETROCHEM
             NEIC VP0972E01
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PROPERTY OF THE COST BOOK OF THE SECOND SECO

Page 303 of 412

Veolia ES Technical Services Sauget, Illinois

# CHEMICAL WASTE MANAGEMENT INC WASTE PROFILE SUMMARY ADDENODANDO AND L

Version 01.00 PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents Not included on Waste Profile Summary Report Chemical Composition

thoughter work and factor and factors and the second section of the second section and the section and the second section and the section and

MIN - MAX UNIT DESCRIPTION

SILVER SODIUM COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE PRESENT AS CATIONIC SPECIES.

Not included on Waste Profile Summary Report
THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY
TO THIS PARTICULAR SHIPMENT \$1000.00

```
Version 06.04
Report: R7008
                                          CHEMICAL WASTE MANAGEMENT, ALMGONDIX L
                                                                                                                    TWI-CI5789
                                              WASTE PROFILE SUMMARY
DATE: 10/18/00
                                                                                                                    SELLING REGION LAB - MRL
                                                                                         NUMBER..... 102-5-022
EUSINESS: PHILIP SERVICES CORP
                                                                                         PHONE..... 253/627-7568
EPT....:
                                                                                         EXPIRES..... 01/26/01
ADDRESS 1: 734 S LUCILE ST
                                                                                         STATUS..... APPR FOR SERV
FEDERAL EPA ID: WADOO0812909
ADDRESS 2:
CITY/ST..: SEATTLE
                                      WA 98108-2631
                                                                                         STATE EPA ID.: 9530335007
CONTACT..: TIM SMITH
                                                                                         EPA STATUS....: CHK RESTRICT
                                                                                         SALES OFFICE ..: PTA
WASTE NAME: CYANIDE MIXTURE SOLUTION
ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S ADDL. DESC: (INORGANIC CYNANIDE, ARSENIC)
                                                                                                      UNIT DESCRIPTION
                                                                                       MIN
                                                                                             - MAX
                            CHENICAL COMPOSITION
                                                                                                    10 %
                                                                                         0.1
CYANIDE
                                                                                          50
                                                                                                    99 %
WATER
                                                                                           Ò
HUORIDE
                                                                                                   0.1
                                                                                           0
                                                                                                    25 %
NON-TRI CHEMICALS
ORGANICS, REGULATED AND NON - REGULATED.
MERT INORGANIC SALTS
                                                                                                    15 %
     ARSENIC
     BARIUM
     CADMIUM
     LEAD
     ZINC
     CHRONIUM
 Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.
                                                                            PHYSICAL CHARACTERISTICS
               TCA OR TOTAL
    METALS
Nickel as Ni <
Thallium as Tl <
                                                        Physical State ... Liquid
                  < 200
                                      ppm
                                                        Flåsh Point....: > = 200
                                                                                                   CL
                    200
                                      ppm
                                                        рН..... 12.5 - 14.0
Arsenic as As
                 < 200
                                      ppm
                    200
Barium as Ba
                  <
                                                        Color..... BROWN
                                      ppm
Cadmium as Cd
                     200
                                                        Odor..... NONE
                                      ppm
                                                        Layers...... Single Layer
Specific Gravity.: 0.800 - 1.400
Free Liquids....: 95 - 100
Chromium tot Cr < 200
                                      ppm
Lead as Pb
                  < 100
                                      ppm
Mercury as Hg
                  < 0.1
                                      ppm
Silver as Ag
                  < 200
                                                        Cyanides....:
                                                                                            0.1 To
                                                                                                               10.0 %
                                                                                                                                  TOTAL
                                      ppm
                 <
                                                                                                                      PPN
                                                        Sulfides..... < 3
                    200
                                                                                                                                  TOTAL
Antimonv
                                      ppm
Beryllium
Potassium
                                                        <
                    200
                                                                                                 ppm, Regulated by 40 CFR 761:
                                      ppm
                                                                               N/A
                  <
                    2000
                                                                                                                      PPM
                                      ppm
                                                                                          DOT UN/NA NBR: UN2927
Sodium
                     57800
                                      ppm
                                                        % Taxable....:
                                                        Treatment Codes... T07
CRO RPT OTY.....
EPA Permit.....
Vanadium
                    200
                                      ppm
Selenium as Se <
                                                                                           Material Class:
                    100
                                      mg/
Chronium Hex
                  < 500
                                                                                                    EXP:
                                      mg/l
                                                        Hazard Class....: 6.1
State Codes....: 090001
                                                        Benzene .....
                                                                                                  NESHAP:
                                                        Packing Group...: II
Process Codes...: BLL
Cert of Dstrct Rq: Y
Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F002 F003 +
                                       HANDLING
N-DEX INNER GLOVE
NBR GREEN GLOVES
                                                                               CPF 3
TYPE C RESPIR CONST FLOW
                                       PVC YELLOW OVR BOOT COVER
NDEX/BLUE NITRILE INNER GLOVE
CONTAINS CYANIDES - DO NOT MIX W/PH <6
CARCINOGEN - ARSENIC, CADMIUM, LEAD
                                              DOT PROPERTIES
Inhalation: 3
                            Dermal: 3
                                                   Oral: 3
                                                                       Flammable: 0
                                                                                                 Health: 0
                                                   SUMMARY
Waste Type
                                             B107
Rorm Code
                                                   COMMENTS
CHARGE CODE: NS
                                                         NEED WEIGHT
HILLIPS IS THE OWNER OF PHILLIPS, CYANAKEN AND NEIC VP0972E01
                                                         UNTIL FURTHER NOTICE.
                                                         NOTE: P-LISTED NATERIAL - CHECK WITH CUSTOMER IF
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AND CHARGES PETROCHEM

Page 307 of 412

SPC - \$186. I APPRES NAMED A CALCALLA STATE AND A CALL

Veolia ES Technical Services Sauget, Illinois

Report: R7008/00 ROFILE: C15789

CHENICAL WASTE MANAGEMENT INC. WASTE PROFILE SUMMARY ADDEADS and L

Version 01.00 PAGE: 01

CHENICAL COMPOSITION: Additional Constituents Not included on Waste Profile Summary Report Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER SODIUM COMMENTS

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE PRESENT AS CATIONIC SPECIES.

Not included on Waste Profile Summary Report

ELIVERY 11-1-00 FROM SEATTLE WA GETS INVOICED TO THE KENT WA BIFF.P-CODE TRIPLE RINSE WILL APPLY

TO THIS PARTICULAR SHIPMENT \$1000.00

NEIC VP0972E01

Page 310 of 412

#### CONFIRMATION LETTER

a paratrio de la formación de la companión de l

January 3, 2000

CYANOKEM INC 12381 SCHAEFER HWY DETROIT, MI 48227-3421

Re: Confirmation Number 4544887

### Attention:

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

CWM Profile Number:

CI5789 TWI

Approved Mgmt. Facility:

TRADE WASTE INCINERATION

or another CWM or CWM approved facility

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Disposal Price:

- \$0.15/lb

- \$2000.00 minimum

Transportation Price:

- To be provided by Philip or quoted per shipment

- Cancelled loads require 48-hour notice or they

will be billed at the regular trip rate.

- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the

the customer to the disposal facility.

Demurrage:

- \$85 an hour after 1 1/2 hour loading time.

Waste Approval Fees:

- recertify profile--no charge

- Characterization & unknowns are priced upon

request.

Pricing Conditions:

- Tanker Rinseout & Heel Removal Fees:

- \$500 aqueous rinseout fee (no solids) plus

cost of solvent used.

- \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.

- \$1,000 fee for "P" code triple rinseout plus

January 3, 2000

Re: Confirmation Number 4544887

cost of solvent used.

- \$1,000 minimun tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.

Profile Expiration Date:

1/26/01

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using an Illinois manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Chemical Waste Management, Inc

### CONFIRMATION LETTER

February 6, 1998

TIM SMITH PHILIP SERVICES CORP 734 S LUCILE ST SEATTLE, WA 98108-2631

Re: Confirmation Number 4511516

NOW TO THE SECOND TO SEE THE PROPERTY OF THE P

Attention: TIM SMITH

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

CWM Profile Number:

CI5789 TWI

Approved Mgmt. Facility:

TRADE WASTE INCINERATION

or another CWM or CWM approved facility

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Disposal Price:

- \$0.14 per pound

Transportation Price:

- To be provided by Philip Services Corporation

Waste Approval Fees:

- Waived for Philip Services per national agree = agreement.

**Pricing Conditions:** 

- Tanker Rinseout & Heel Removal Fees:
- \$500 aqueous rinseout fee (no solids) plus

cost of solvent used.

- \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
- \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
- \$1,000 minimun tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon

minimum disposal charge applies.

- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated

on a case-by-case basis.

- Discrepant material will be surcharged on a

February 6, 1998

Re: Confirmation Number 4511516

case-by-case basis.

Profile Expiration Date:

2/03/00

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
  Bulk shipments must be pumpable with a centrifugal pump and solids must pass through
  - a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using Illinois Manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

NATL ACCT REPRINT

Chemical Waste Management, Inc

Commission of the Commission o	GLUYES
60 GLOVES	Appendix BUTYL RUBBER GLOVE
61 or 75 PVC GLOVE	
62 or 76 NITRILE (NBR) GLOVE	81 4H INNER GLOVE
63 or 77 NEOPRENE GLOVE	82 VITION GLOVE
78 PVA GLOVE	83 NITTY GRITTY GLOVE
PERSONAL PRO	DTECTIVE EQUIPMENT
84 PPE	89 CPF4
85 TYVEK PROSHIELD I, II	90 NOMEX
64 or 86 SARANEX	91 (OPEN)
87 CPF 2	92 (OPEN)
	93 (OPEN)
. RESPIRATO	ORY PROTECTION
94 RESPIRATORY PROTECTION	97 COMBINATION ORG/ACID GAS
67 PESTICIDE CARTRIDGE	OA ACID CARTRIDGE
70 AMMONIA GAS CARTRIDGE	0B ORGANIC CARTRIDGE
71 or 95 FULL-FACE RESPIRATOR	OC DUST CARTRIDGE
96 HEPA CARTRIDGE	OD TYPE C RESPIR. CONSTANT FLOW
	воотѕ
0E BOOTS	0G YELLOW RUBBER OVERBOOT
OF PVC YELLOW OVER BOOT COVER	OH BLACK OVER THE SOCK BOOT
3 INHALATION 3 DERMAN	L
LIST OTHER PPE:	
COMMENTS:	
Return to: Maintenance:	Confirmation: RS6000
Mar	(Revised 1/26/9

Page . . :

Date 10/28/99 Time 16:15:43

# Location of Original MIDWEST REGIONAL LAB

I.	Generator and Facility Information  Decision Site TRADE WASTE INCINERATI Proposed Management Facility TRADE WASTE INCINERATI *** This Decision is APPROVED	Tracking #: 4544887 Priority : 97 Profile #: CI5789 Date Received: 10/21/99 Effective Date: 10/28/99 Generator : PHILIP SERVICES CORP Waste Category Code: Description : CYANIDE MIXTURE SOLUTION
п.	Decision to Deny Approval for Management of Waste	
	Reason for Denying Approval	
Fina	1 Approval Name (print)	Date
пı.	Decision to Approve	
	a) <u>Approved Management Methods</u> Incineration	
	b) Precaution Conditions or Limitations on Approval  (1) Site Conditions	
	(2) Contracting Conditions	
	<ul> <li>(3) Site and Contracting Conditions</li> <li>Bulk liquids: Material which cannot be</li> <li>Bulk shipments must be pumpable with a a 1/8" screen.</li> <li>Notification &amp; Certification form must</li> <li>DOT approved containers.</li> <li>manifest.</li> </ul>	offloaded will be returned to the generator. centrifugal pump and solids must pass through A signed and completed Land Disposal accompany each shipment. (copy enclosed) All shipments must be made using an Illinois
	c) <u>Analytical Requirements for Each Load</u> MANDATORY ANALYSIS PER WAP	
	d) <u>Decision Expiration Date</u> 01/26/01	
IV.	Final Decision  State any Additional Precautions, Conditions, or Limitation	<u>s</u>
Fina	1 Approval Name (print)	KELLY SUTTON Date 10/28/99

.

TRACKING #: 4544238 PRIORITY: 97
FROFILE #: C15789 DATE RECD: 9/22/99

GENERATOR: PHILIP SERVICES CORP

WASTE CATEGORY CODE:

STREET FRANCISCO DE CONTRACTOR DE LA CON

DESCRIPT: CYANIDE MIXTURE SOLUTION

PHIBICAL	DEBCKIPTION	WORKSHEET
Receiver	#	

Received	Date	

DRUH #	SIZE/TYPE	O/P	COLOR/DESCRIPTION	% FULL	% BOLID	%LIQUI
1						
2						
3						
4						<del></del>
5	·					
6						
7						
8				-1		
9		<del>-</del>				
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

TECHNICIAN SIGNATURE		DATE		
LOCATION	COMMENTS		_	
		K K		

NEIC VP0972E01

Page 324 of 412

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## Location of Original MIDWEST REGIONAL LAB

			racking #: 4544238 Priority : 97
.1	Generator and Facility Information	_	rofile # : CI5789 Date Received: 09/22/99 ffective Date: 09/22/99
	Decision Site TRADE WASTE II		enerator : PHILIP SERVICES CORP
	Proposed Management Facility TRADE WASTE II		aste Category Code:
			escription : CYANIDE MIXTURE SOLUTION
	*** This Decision is APPROVED		•
ı.	Decision to Deny Approval for Management of	Waste	
	_		
	Reason for Denying Approval		
inal	Approval	_ Name (print) <u> </u>	Date
II.	Decision to Approve		
	a) Approved Management Methods		
	a) Approved Management Methods Incineration		
	2102101 21201		
	b) <u>Precaution Conditions or Limitations on</u>	Approval	
	(1) <u>Site Conditions</u>		
	(2) <u>Contracting Conditions</u>		
	(3) Site and Contracting Conditions		
	- Bulk liquids: Material which	cannot be	offloaded will be returned to the generator.
	<ul> <li>Bulk shipments must be pumpable</li> </ul>	e with a	centrifugal pump and solids must pass through
	a 1/8" screen.	-	A signed and completed Land Disposal
	Notification & Certification for	orm must	accompany each shipment. (copy enclosed)
	<ul> <li>DOT approved containers.</li> <li>manifest.</li> </ul>	-	All shipments must be made using an Illinois
	c) Analytical Requirements for Each Load MANDATORY ANALYSIS PER WAP		
	IMADATORY MALESTS I ER WAI		
	d) Decision Expiration Date 09/28/99		
	d) becision expiration bate 07/20/77		
	DECISION LAPICACION DATE V77 247 77		
ov.	Final Decision		
w.		s, or Limitations	
N.	Final Decision	s, or Limitations	
	Final Decision		LLY SUTTON Date 09/22/99

```
Respiration for the contract of the contract o
                                                                                  CHEMICAL WASTE MANAGEMENT, Amendix L
                                                                                                                                                                                                                                Version 06.04
Report: R7008
                                                                                                                                                                                                                                 TWI-CI5789
                                                                                         WASTE PROFILE SUMMARY
TATE: 09/22/99
                                                                                                                                                                                                                                  SELLING REGION LAB - MRL
                                                                                                                                                                             NUMBER..... 102-5-022
HISINESS: PHILIP SERVICES CORP
                                                                                                                                                                            PHONE...... 253/627-7568
EXPIRES...... 09/28/99
STATUS...... APPR FOR SERV
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST..: SEATTLE
                                                                                                                                                                             FEDERAL EPA ID: WADOO0812909
                                                                          WA 98108-2631
                                                                                                                                                                             STATE EPA ID. .: 9530335007
CONTACT..: TIM SMITH
                                                                                                                                                                            EPA STATUS...: CHK RESTRICT SALES OFFICE..: PTA
WASTE NAME: CYANIDE MIXTURE SOLUTION
ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES SHIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S ADDL. DESC: (INORGANIC CYNANIDE, ARSENIC)
                                                      CHEMICAL COMPOSITION
                                                                                                                                                                        MIN
                                                                                                                                                                                    - MAX
                                                                                                                                                                                                        UNIT DESCRIPTION
                                                                                                                                                                             0.1
                                                                                                                                                                                                 10 %
CYANIDE
                                                                                                                                                                                                  99 %
                                                                                                                                                                               50
WATER
                                                                                                                                                                                 0
ELUORIDE
                                                                                                                                                                                                  25 %
                                                                                                                                                                                 0
NON-TRI CHEMICALS
           ORGANICS, REGULATED AND NON - REGULATED.
                                                                                                                                                                                                  15 %
 INERT INORGANIC SALTS
           ARSENIC
           BARIUN
           CADMIUM
           LEAD
           ZINC
           CHRONIUM
   Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.
                                                                                                                                                    PHYSICAL CHARACTERISTICS
                              TCA OR TOTAL
                                                                                                             Physical State...: Liquid Flash Point..... > = 200
Nickel as Ni
                                  < 200
                                                                          ppm
 Thallium as Tl
                                                                                                                                                                                                CL
                                <
                                         200
                                                                          ppm
                                         200
                                                                                                             pH..... 12.5 - 14.0
Arsenic as As
                                                                          ppm
                                   < 200
                                                                                                             Color..... BROWN
Barium as Ba
                                                                                                            ppm
Cadmium as Cd
                                         200
Chromium tot Cr <
Lead as Pb <
                                         200
                                                                          ppm
                                                                          ppm
Lead as Pb
                                       100
 Mercury as Hg
                                  <
                                         0.1
                                                                          ppm
                                         200
                                  <
                                                                                                                                                                                                                        10.0 %
                                                                                                                                                                                                                                                            TOTAL
                                                                                                                                                                                   0.1 To
 Silver as Ag
                                                                                                                                                                                                                                     PPN
                                   < 200
                                                                                                             Súlfides..... < 3
Antimony
                                                                          ppm
                                                                                                                                                                                                                                                            TOTAL
                                                                                                             Beryllium
                                   <
                                                                                                                                                                                            ppm, Regulated by 40 CFR 761:
                                         200
                                                                                                                                                           N/A
                                                                          ppm
Potässium
                                  <
                                         2000
                                                                                                                                                                                                                                     PPM
                                                                          ppm
 Sodium
                                         57800
                                                                                                             % Taxable....:
                                                                                                                                                                               DOT UN/NA NBR: UN2927
                                                                          ppm
                                                                                                             Treatment Codes..: T07
CRO RPT QTY.....
EPA Permit.....
                                  < 200
Vanadium
                                                                          ppm
                                                                                                                                                                                 Material Class:
 Selenium as Se <
                                         100
                                                                          mq/]
                                  <
                                         500
                                                                          mg/l
                                                                                                                                                                                                  EXP:
Chromium Hex
                                                                                                             Hazard Class....: 6.1
                                                                                                              State Codes....: 090001
                                                                                                             Benzene ......:
Packing Group...: II
Process Codes...: BLL
Cert of Dstrct Rq: Y
                                                                                                                                                                                              NESHAP:
 Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F039 F001 F002 +
                                                                                                   HANDLING
 NBR GREEN GLOVES
                                                                             BARRICADE SUIT
                                                                                                                                                         FULLFACE RESPIRATOR
 SUPPLIED AIR
 CARCINOGEN - ARSENIC, CADMIUM, LEAD
```

INDEX/BLUE NITRILE INNER GLOVE REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH MGR APPROVAL. CONTAINS CYANIDES - DO NOT MIX W/PH <6

DOT PROPERTIES Inhalation: 3 Dermal: 3 Flammable: 0 Health: 0 Oral: 3

SUMMARY

Waste Type Rorm Code

CHARGE CODE: NS

MGR APPROVAL, \*\*\*\*F039\*\*\*\*

B107

COMMENTS REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH

-

Report: B7908/99 ROFILE: C15789

CHEMICAL WASTE MANAGEMENT INC.

CE ( Sanital S

Version 01.00 APENDIX PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report
Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER
SODIUM
COMMENTS
METALS LISTED UNDER "INERT INORGANIC SALTS" ARE
PRESENT AS CATIONIC SPECIES.

NEIC VP0972E01

Page 330 of 412

# Appendix L TWI LABORATORY ANALYSIS REPORT

· Tracking #: =54	13154	DO TAE	)ተጥ፡፡	07			PRO	CESS	CODI	E BL	_	PRO	FILE	# <i>C</i>	157	89
PROFILE #: C157 GEMERATOR: PHIL WASTE CATEGORY DESCRIPT: CYANI	789 JIP SER CODE:	DATE VICES	RECD: CORP	8/11/9	9		( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	) PCB A ) LAB: ) DIOX ) VISU ) VISU ) INSPI	ANAL RECE IN PE AL IN AL IN ECT (	LYSIS RIERT ANA RECURS ISPECTI	EQUIRE LYSIS RI OR ANA ON ONI ON: G ORUM C	D EQUIRED-S ALYSIS RE	SEE RI SQUIF 5% X/HO	EQUIR RED 100 ODED	ED CMTS I	BELOW
RECEIVER #:																
MANIFEST#:																
No. DRUMS:		,									DRU	M STOR	AGE	COV	<b>Φ</b> ΔΤΔΒ΄	II ITV
DATE:	$\overline{}$										ľ	filed DOT	,			
											'''	/		u Clas	s <u>6-1</u>	-
SAMPLER SIGN		$\overline{}$		_								P≠P.	4SS	F≃	=FAIL	
SAMPLE NUMBER		$\overline{}$			1						8A	/ 8	В		4/5	
			<del>\</del>		_						<u> </u>	<u> </u>			. <del>-</del>	
Drum No.			$\overline{}$								<del>-/-</del>					
Free Liquid (%)			$\overline{}$							/	PR	OFILE	CONF	ORMS	DATE	INIT
Pumpable		YES		ЙО									YES	NO		
Layers/Phases -% Ea.	1			<b>_%</b> (	2		%	>3	3	%						
Color																
Turbidity	N/A	TnsP	TnsI	. Opq	N/A	TP	TL O	N/A	ŹΡ	TL O						
Viscosity	N/A	L	<u>M</u>	н \	N/A	L	M H			_	/L )M	H N/A				
Physical State	Liq S	olid	Sludge	Semi-sld	- ·		Sig Ss	<del></del>		Slg Ss						
Water Miscibility	Misc F	Part F	loats Si	inks Emls	M	P 1	SE	/ M	P F	SE					_	
Add. Description:	_				\									I		
Water Reactivity	( ) ì	NO R	XN		<u>( )</u> I	ZXS.	I:/									
Radiation Screen	( ) =	=BK(	<u> </u>		()	> <u>B</u> K	<u> </u>				=	BKG				
Flam. Pot. Screen	()1	Neg		_		Pøs_	<u>(\_)B</u>	OC_		<u> </u>		lashpoint				
pH Screen	<u> </u>		) 10	0% ()	10%						<2 2-	12.5 (>12.5	2			
Oxidizer Screen		Neg				Pos										
Paint Filter Test		Pass		/		Fail	( )V-	Fail		N/A						
Cyanide Screen		Neg			<del></del>	Pos_			<del>\ \</del>	N/A						
Sulfide Screen		Neg		_/		os			<u>(/)i</u>	N/A						
Incidental odor		No		<del>/</del> -	()	Yes:		_		_						
Specific Gravity BTU/LB			-/								<u> </u>	-		· ·		
% Choride	<del></del>		7							<del></del>						
Flash Point Deg.F		1			_			_	_		₹73 <140	(>140 N/A				
PCBs By GC mg/kg		./			•					_	<del></del>	i0ppm				
PCBs-Screen ppm	1											оррт Оррт				
2,4,5-T/Silvex ppm			_						_		X		60000000 60000000000000000000000000000			
PCP Screen ppm pH by Meter	-			( )KIT ( )100%		GC ) 10	10/.					<u> </u>	6. 100 800 89			
) PCB waived. Does not r	neet PCF	3 suspe	ect criter			<u>, , 1</u> ,	770			_	<u>  10.000   </u>	<u> </u>	8000 H	<u> Parina</u>		
ACCEPT / REJEC									(	) NE	w pro	OFILE#				
Analytical Comments:		ferenc	e Track	ing# / San	nnle#	- 537	771/14	スなる				~ <del>`</del>	\			
Dioxin Precursor anal	lysis resi	ults be	low sit	e action le	vels	( <b>&gt;</b> 4)	Vo additi	onal an	alysi	s require	d ( ) I					
( ) Analysis supplied by								lysis to	be de	etermine	d upon v	isual inspe	ection	of wa	ıste	
Add. Comments Same				_							11	-95		1		
PROFILE REVIEW FOR A PROFILE & HAND	LING	CON	<i>ME</i>	VTS:	( )	Water	Reactiv	e - avo		ntact wit		re		1	N.	
Contains Cyanides - I												( ) No	Cert	•		
( ) Poison Inhalation Haz	zard (	)Kea	ctive C	ategory:	A B	C	D	E .	Add.	Comme	nts:					

NEIC VP0972E01

Page 331 of 412

Veolia ES Technical Services
This report has been prepared for the exclusive use and benefit of Waste Mgmt. No representation concerning sample validity of analytical accuracy or completeness is hereby made to any other person receiving this report. This sample was collected according to applicable SW-846 procedures.

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Reference (1995) (1995) - Elektrika Karrin Ballera - Barrina karringa karringa karringa karringa karringa karr
                                                                                                                 Version 06.04
                                         CHENICAL WASTE HANAGEMENT, AMOCENDIX L
Report: R7008
                                                                                                                 TWI-C15789
PATE: 08/12/99
                                             WASTE PROFILE SUMMARY
                                                                                                                  SELLING REGION LAB - MRL
                                                                                       NUMBER..... 102-5-022
HISINESS: PHILIP SERVICES CORP
                                                                                       PHONE..... 253/627-7568
REPT....:
ADDRESS 1: 734 S LUCILE ST
ADDRESS 2:
CITY/ST..: SEATTLE
                                                                                       EXPIRES....: 08/14/99
                                                                                       STATUS..... APPR FOR SERV
FEDERAL EPA ID: WADOO0812909
                                     WA 98108-2631
                                                                                       STATE EPA ID..: 9530335007
CONTACT..: TIN SMITH
                                                                                       EPA STATUS....: CHK RESTRICT
                                                                                       SALES OFFICE ..: PTA
WASTE NAME: CYANIDE MIXTURE SOLUTION
ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES HIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S
ADDL. DESC: (INORGANIC CYNÂNIDE, ARSENIC)
                                                                                           - MAX
                                                                                                    UNIT DESCRIPTION
                           CHEMICAL COMPOSITION
                                                                                                  10 %
                                                                                       0.1
CYANIDE
                                                                                        50
                                                                                                  99 %
WATER
LUORIDE
                                                                                         Û
                                                                                                 0.1 %
NON-TRI CHEMICALS
                                                                                          n
                                                                                                  25 €
ORGANICS, REGULATED AND NON - REGULATED.
MERT INORGANIC SALTS
                                                                                          n
                                                                                                  15 %
     ARSENIC
     BARIUM
     CADMIUM
     LEAD
     ZINC
     CHRONIUM
  Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.
               TCA OR TOTAL
< 200
                                                                           PHYSICAL CHARACTERISTICS
Nickel as Ni
                                                       Physical State...: Liquid
Thallium as Tl < 200
                                                       Flash Point....: > = 200
                                     ppm
                                                       рн..... 12.5 - 14.0
Arsenic as As
                 < 200
                                     ppm
Barium as Ba
                     200
                                                       Color ..... BROWN
                                     ppm
Cadmium as Cd
                    200
                                                       Odor..... NONE
                                     ppm
Chromium tot Cr <
                    200
                                     ppm
                                                       Layers..... Single Layer
                                                       Specific Gravity: 0.800 - 1.400
Free Liquids.... 95 - 100
Cyanides..... < 3
Sulfides..... < 3
Lead as Pb
                    100
                                     ppm
                    0.1
Mercury as Eg
                 <
Silver as Ag
                    200
                                                                                           0.1 To
                                                                                                              10.0 %
                                                                                                                               TOTAL
                                     ppm
                 <
                    200
                                                                                                                    PPM
Antimony
                                     ppm
                                                                                                                               TOTAL
                                     bbar
bbar
Berylliûm
                     200
                                                                                               ppm, Regulated by 40 CFR 761:
                 <
                                                       PCB's
Potássium
                     2000
                                                       Phenolics..... < 10
                 <
                                                                                                                    PPN
                                                       % Taxable.....
Sodium
                     57800
                                                                                        DOT UN/NA NBR: UN2927
                                     ppm
Vanadium
                 <
                    200
                                     ppm
                                                       Treatment Codes..: T07
                                                       CRO RPT OTY.....
Selenium as Se < 100
                                     mq/l
                                                                                          Material Class:
Chromium Hex
                     500
                                     mg/l
                                                                                                   EXP:
                                                       Hazard Class....: 6.1
                                                       State Codes....: 090001
                                                                                                NESHAP:
```

Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F039 F001 F002 +

Benzene ....:

Packing Group...: II Process Codes...: BLL Cert of Dstrct Rg: Y

NBR GREEN GLOVES SUPPLIED AIR

BARRICADE SUIT

FULLFACE RESPIRATOR

INDEX/BLUE NITRILE INNER GLOVE REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH MGR APPROVAL. CONTAINS CYANIDES - DO NOT MIX W/PH <6 CARCINOGEN - ARSENIC, CADMIUM, LEAD

Inhalation: 3

Dermal: 3

DOT PROPERTIES

Oral: 3

Planmable: 0

Health: 0

<u>SUMMARY</u>

Waste Type Rorm Code

CHARGE CODE: NS

B107

COMMENTS

REACTIVE CATEGORY: A-DO NOT SCHEDULE WITHOUT TECH NEED WEIGHT

MGR APPROVAL. \*\*\*\* F039\*\*\*\*

**NEIC VP0972E01** 

Page 333 of 412

Veolia ES Technical Services Sauget, Illinois

NEIC VP0972E01

THE BOOK TO THE TANK ASSOCIATION OF THE PROPERTY OF THE PROPER

Appendix L
CHENICAL WASTE MANAGEMENT ADDENDUM.
WASTE PROFILE SUMMARY ADDENDUM.

Version 01.00 APENDIX PAGE: 01

CHEMICAL COMPOSITION: Additional Constituents
Not included on Waste Profile Summary Report
Chemical Composition

MIN - MAX UNIT DESCRIPTION

SILVER SODIUM COMMENTS

Report: 87008/99 ROFILE: C15789

METALS LISTED UNDER "INERT INORGANIC SALTS" ARE PRESENT AS CATIONIC SPECIES.

CHEMICAL WASTE NANAGEMENT, INC. Report: R7008 DATE: 2/9/98 WASTE PROFILE SUMMARY

CANDER MORE ENGREENE EN DE LE LEGISTE EN DE LE MANDE LE

Version 06.02 TWI-CI5789

The second responsibilities of the committee.

SELLING REGION LAB - MRL

NUMBER...... 102-5-022 PHONE...... 253/627-7568 HISINESS: PHILIP SERVICES CORP EPT......

ADDRESS 1: 734 S LUCILE ST

DDRESS 2: CITY/ST..: SEATTLE WA 98108-2631 ONTACT ..: TIN SMITH

EXPIRES..... 02/03/ STATUS..... APPR FOR SERV FEDERAL EPA ID: WADOOO812909 STATE EPA ID.: 9530335007 EPA STATUS...: CHK RESTRICT

SALES OFFICE ..: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION

ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES HIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S HODL. DESC: (INORGANIC CYNANIDE, ARSENIC)

MIN - MAX UNIT DESCRIPTION CHEMICAL COMPOSITION Î10 % 0.1 CYANIDE 99 % 50 WATER METALS (IN SOLUTION): ARSENIC, BARIUM, CADMIUM, 0 .15 % LEAD, RINC, CHROMÉ, SILVER, SODIUM 0 CRGANICS, REGULATED AND NON - REGULATED.

Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form. 25 %

METALS TCA OR TOTAL Nickel as Ni < 200 Thallium as Tl < 200 PHYSICAL CHARACTERISTICS Physical State...: Liquid Plash Point..... > = 200 pH...... 12.5 - 14.0 ppm ppm Arsenic as As < 200 Barium as Ba < 200 bbar bbar Color..... BROWN Barium as Ba Cadmium as Cd < 200 Chromium tot Cr < 200 Lead as Pb < 100 Odor..... NONE Layers...... Single Layer Specific Gravity.: 0.800 - 1.400 Free Liquids..... 95 - 100 ppm bbu bbu Mercury as Hg Silver as Ag < 0.1 < 200 < 200 Cyanides..... < 3 ppm 0.1 To TOTAL PPN TOTAL Antimony < 200 < 2000 PCB's..... < 10 ppm, Regulated by 40 CFR 761: Beryllium ppm ppm Potassium PPN % Taxable......
Treatment Codes..: T07 bbw bbw DOT UN/NA NBR: UN2927 Sodium 57800 Vanadium < 200 CRO RPT OTY..... 1 EPA Permit..... Selenium as Se < 100 Chromium Hex < 500 Material Class: ing/1 EXP: / / mg/l Hazard Class....: 6.1 State Codes.....: 090001 NESHAP:

Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F039 F002 +

BARRICADE SUIT NBR GREEN GLOVES

FULLFACE RESPIRATOR

INDEX/BLUE NITRILE INNER GLOVE CONTAINS CYANIDES - DO NOT MIX W/PH <6 CACINGEN - ARSENIC, CADMIUM, LEAD

SUPPLIED AIR

DOT PROPERTIES Inhalation: 3 Flammable: 0 Dermal: 3 Health: 0 Oral: 3

**SUMMARY** Waste Type B107 Rorm Code

COMMENTS

## **CODE ADDITION REQUEST FORM**

DATE _	5/21/98	
REQUEST	ED BY DB	a Nicos
CIRCLE	WS OR LP	Servicos
REASON	<u> </u>	•
APPROVE (PE	ED BY	
PROFILE	CI5789	Recyr # 12 5657
CODE (S)	Do05, D009	
No.		
	Ann	

P.O. BOX 19276

, SPRINGFIELD, MEDNOS 62794-9276 (217) 782-6761

State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

Form Approved. OMB No. 2050-0039, Expires 9-30-91 EPA Form 8700-22 (Rev. 9-86) (Form designed for use on elite (12-pitch) typewriter.) Manifest Information in the shaded areas is not UNIFORM HAZARDOUS 2. Page 1 1. Generator's US EPA ID No. required by Federal law, but is required WASTE MANIFEST WAD000812909 2<del>44</del>61 A Illinois Manifest Document Number MANIFEST by Illinois law. 3. Generator's Name and Mailing Address. Location If Different: Burlington Environmental Inc. dba/Philip Services Corp. 734 South Lucile Street, Seattle, WA 98108 95300199999 4. Generator's Phone ( 206 762-3362 5. Transporter 1 Company Name US EPA ID Number Cillinois Transporters ID D.(800) 272-8777 Transporter's Phone E. Illinois Transporter's ID. 173 Transporter's ID. 173 NED001792910 Union Pacific Railroad 8. 7. Transporter 2 Company Name US EPA ID Number DED 981 11016 MATLACK 9. Designated Facility Name and Site Address US EPA ID Number Trade Waste Incineration ID 1111.DIO19:816141214 H. Facility's Phone #7 Mobile Avenue Sauget, IL 62201 ILD098642424 · (618 ) 271–2804 · 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Total Waste No. Type Quantity EPA HW Number G RQ, Waste Toxic Liquids, Corrosive, Organic, N.O.S. XIDIOIOIZ F (Cyanide, Potassium Hydroxide) N 2, 0, 9, 0, 6 6.1, UN2927, II RO=100P ERG# 154 019101010 R  $\mathbf{X}\mathbf{X}_{1::1::1::1}$ 12 i al 1 T EPA HW Number c 0 194130 J. Additional Descriptions for Materials Listed Above K. Handling Codes for Wastes Listed Above a)CI5789 - Cyanide Liquids - D003,D004,D005,D006,D007,D008,1998 Cubic Yards D009, D010, D011, F006, F007, F008, F011, F012, F019 CWMX1005 Car# CHXU1005 Sea1# 是自然来的简介 15. Special Handling Instructions and Additional Information Certificate of disposal required. Please include Manifest Document Number 24461 on certificate. 24 Hour Emergency Phone Number (253) 872-7859. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name Signa Month Day Kathy Baldwin 0 4 1 9 9 8 17. Transporter 1 Acknowledgement of Receipt of Materials Date TRANSPORTER Month Day Year Printed/Typed Name On behalf of Union Pacific R.R Kathy Baldwin 0 41 99 8 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Day Year Ohn n55 052198 Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Printed/Typed Name Month Day

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111½ Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

NEIC VP0972E01

CHENICAL WASTE MANAGEMENT, Angendix L Report: R7008 DATE: 05/21/98 WASTE PROFILE SUMMARY

WA 98108-2631

TWI-CI5789

SELLING REGION LAB - MRL

NUMBER..... 102-5-022 PHONE..... 253/627-7568 EXPIRES..... 02/03/00

STATUS.....: CONTRACT NOT IN PLACE FEDERAL EPA ID: WADOO0812909

STATE EPA ID ..: 9530335007 EPA STATUS....: CHK RESTRICT SALES OFFICE ..: PTA

WASTE NAME: CYANIDE MIXTURE SOLUTION ROCESS GENERATING WASTE: CYANIDE CONSOLIDATION FROM OUTSIDE SOURCES SIP. NAME: WASTE TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S ADDL. DESC: (INORGANIC CYNANIDE, ARSENIC)

HISINESS: PHILIP SERVICES CORP

DEPT....: ADDRESS 1: 734 S LUCILE ST ADDRESS 2:

CITY/ST..: SEATTLE

CONTACT ... TIM SMITH

- NAX 1 MIN UNIT DESCRIPTION CHENICAL COMPOSITION 0.1 CYANIDE 50 99 % WATER METALS (IN SOLUTION): ARSENIC, BARIUM, CADMIUM, LEAD, RINC, CHROME, SILVER, SODIUM 15 % 0 0 0.1 % ELUORIDE ORGANICS, REGULATED AND NON - REGULATED. 25 % Underlying Hazardous Constituents exist, Print Landban form and Underlying Hazardous Constituent form.

PHYSICAL CHARACTERISTICS <u>METALS</u> Nickel as Ni TCA OR TOTAL Physical State ...: Liquid < 200 ppm Mickel as ni
Thallium as Tl < 200
Arsenic as As < 200
Parium as Ba < 200  $C\Gamma$ ppm ppm Color..... BROWN ppm Odor..... NONE Cadmium as Cd < 200 DDM Layers...... Single Layer Specific Gravity.: 0.800 - 1.400 Free Liquids....: 95 - 100 Chromium tot Cr < 200 ppm 100 ppm Lead as Pb < 0.1 Mercury as Hg ppm Cyanides.... < 200 TOTAL Silver as Ag ppm 0.1 To PPN TOTAL Sülfides..... < 3 < 200 Antimony ppm < 200 ppm, Regulated by 40 CFR 761: Berylliûm PCB's.... ppm Phenolics..... < 10 PPM < 2000 Potāssium ppm DOT UN/NA NBR: UN2927 57800 Sodium ppm Vanadium < 200 Material Class: Selenium as Se < 100 ng/ Chromium Hex < 500 EXP: ng/l State Codes.....: 090001 Benzene ..... NESHAP: Packing Group....: II Process Codes....: BLL Cert of Dstrct Rq: Y

Rederal Codes: D002 D003 D006 D008 D007 D004 F007 F006 F008 F009 F011 F019 F012 F001 F039 F002 +

HANDLING

NBR GREEN GLOVES SUPPLIED AIR

BARRICADE SUIT

FULLFACE RESPIRATOR

INDEX/BLUE NITRILE INNER GLOVE ONTAINS CYANIDES - DO NOT MIX W/PH <6 CACINOGEN - ARSENIC, CADMIUM, LEAD

Dermal: 3

DOT PROPERTIES

Flammable: 0

Health: 0

Waste Type Roma Code

Inhalation: 3

B107

COMMENTS

!!!! gw 0298

9:18 ; CHEM WASTE PT. ARTHUR-Appendix L 1995-94-10 2- 9-98;

618 271 9704;# 2/ 2 14:64 #166 P.02/02 312135680094 P.02

FROM INORRIS ENVIRONMENTAL

# 213 588 0094 The лісаї Waste Management, Inc. вр WASTE PROFILE

	Check histe if this is a Recentification LOCAT	TION OF ORIGINAL	·		
ĠEI	NERAL INFORMATION GENERATOR NAME: NORRIS ENVIRONMENTAL	Travers		1090030	092
۱. -				10/1000	70
2.	VERNON, CA 90058	Billing Address: LJ Same	JAME		
		7 1010	<del></del>		_ <del>,</del>
3,	Technical Contact/Phone: JOHN MAIER 213-27	<b>→</b>		· · · · · · · · · · · · · · · · · · ·	
ś.,	Alternate Contect/Phone: KEVIN BERRY - 213-277	Dialing Contact/Phone:			
PR(	PERTIES AND COMPOSITION PRODUCE GENERALING WARE:	OON FRANCISIDE SO	URCES		
e.	WASTE NAME: CYANIDE MIXTURE (SOLI				
/A, 8.	Is this d USEPA hazardous waste (40 CFR Part 281)? Yes Sidentify ALL USEPA listed and characteristic waste code number	N- [7]	03.0006.000°	7,0008,7	20
	DOOY, FOOT, FOOL, FOOR, FOOT, FOIL, FOIL				
3.		8, Single Layer Multilayer (	•	zuge	2 %
A.	pH; Range 9 to 10 or Not applicable	B. Strong Opor : describe	<u> </u>		
0,	Liquid Flash Point: <.73°F   73-99°F   100-139°F	140-199°F □ ≥ 200°	F D NA Z Clos	ed Cup 🗍 O	pen Cup 🔲
11.	CHEMICAL COMPOSITION: List ALL constituents (including the Constituents Range Un CYANIDE 1000 on 10 %	ilis Constituents	Rar ≺/	0,000 ppm	inalyeis. Units
	METAL: ARSENIC SOCIAM	CHROME SILVER		3,000 ppm 3,000 ppm	
	BARIUM < KOOPOM	FLOURIDE		1000001	
	CADMIUM < 5000PPM			7 11	
	TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%	<del></del>	<del></del>		
1	OTHER: PCBs if yes, concentrationppm, PCBs regulated  Bonzene II yes, concentrationppm. Shock Sent  If the waste is subject to the land ban and meets the treatment	eithe D Oxidizer D Carolin	phonic	Older	diportive C
	PING INFORMATION PACKAGING: Bulk Solid	Type/Size:	Other		
	ANTICIPATED ANNUAL VOLUME: 5,000		oney: 3	4 THE /A	dontiff
<del>ي.</del>	AINTIGIPATED AINTIGAE VOCUME:	Onite: Str	lbbing Lindagira, —25		
AN	IPLING INFORMATION Sample Bource (drum, Jagoon, pond. tank, val. stc.) <u>TANK</u>		•		
, mar		Name/Company: KEVIN	BERRY		
6b,	Generator's Agent Bupervising Sampling: JOHN S			required (Sec )	nstructions.)
har S Di	ERATOR'S CERTIFICATION  The certify that all information submitted in this and all attached document in the certific that all information submitted in this and all attached document in the CPR 261 - Appendix I or by using an aquivalent method. All to diploid certification, I authorize CWM/Ip obtain a extrade from any waste phipme	savant information regarding known:			
1	Signature	JOHN S. MAJER ( Printed for typed) name	PS MANAGER	4/10 Dais	1/95
<b>:</b> 44#	Ports (COOK) replaces and to aquive on up the following terror (DVSAG), CVVIA 10.8.8	wd cam erg	1	· /	

	AS400 H	ANDLING CODES
HANDLING CODE		PPE DESCRIPTION
61		PVC BLACK GLOVES
TURN TO: 62	$\overline{}$	NBR GREEN GLOVES
Suril 63		NEO. GREY GLOVES
64 /	-	SARANEX
65		DUST-MIST CARTRIDGE; HEPA
66		ORGANIC ACID GAS CARTRIDGE
67		PESTICIDE DUST CARTRIDGE
68		BARRICADE SUIT
69		TYVEK SUIT (INCLUDES PE TYVEK)
70		AMMONIA GAS CARTRIDGE
71		FULL-FACE RESPIRATOR
<b>72</b>		SUPPLIED AIR
73		HOOD
The minimum PPE require	d on any profil	e is:
69		TYVEK
62		NBR GREEN GLOVES
71		FULL-FACE RESPIRATOR
66	·	ORGANIC ACIDE GAS CARTRIDGE
*****	X	INDEX/BLUE NITRILE (INNERGLOVE)
inharation 3	_ permal	3 Ingestion 3
AS400	/ RS6000	CONFIRMATION

Date 2/05/98 Time 8:09:20

# Location of Original MIDWEST REGIONAL LAB

ī.	Generator and Facility Information  Decision Site TRADE WASTE INCINERATI Proposed Management Facility TRADE WASTE INCINERATI **** This Decision is APPROVED	Tracking #: 4511516 Priority : 97 Profile # : CI5789 Date Received: 02/03/98 Effective Date: 02/04/98 Generator : PHILIP SERVICES CORP Waste Category Code: Description : CYANIDE MIXTURE SOLUTION
ш.	Decision to Deny Approval for Management of Waste Reason for Denying Approval	
final	L Approval Name (print)	Date
ш.	Decision to Approve	
	a) Approved Management Methods Incineration  b) Precaution Conditions or Limitations on Approval  (1) Site Conditions  (2) Contracting Conditions  (3) Site and Contracting Conditions  - Bulk liquids: Material which cannot be - Bulk shipments must be pumpable with a a 1/8" screen.  Notification & Certification form must - DOT approved containers.  Manifest.	offloaded will be returned to the generator, centrifugal pump and solids must pass through  A signed and completed Land Disposal accompany each shipment. (copy enclosed)  All shipments must be made using Illinois
	d) Decision Expiration Date 02/03/00	
lniti	ial Approval Name (print)	TODD THOMAS Date 02/04/98
	Final Decision  State any Additional Precautions, Conditions, or Limitation  Approval Name (print)	_

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# Chemical Waste Management, Inc. Appendix L GENERATOR'S WASTE PROFILE SHEET

Profile # TWI CI5789

(_) Chec	k here if this is a Recertification	LOCATION OF (	DRIGINAL CWM, INC P	ORT ARTHUR	
GENERAL 1. Gener	INFORMATION ator Name: PHILIP SERVICES CORP		_ Generator USEPA ID:	WAD000812909	
2. Gener	ator Address: 734 S LUCILE ST		_ Billing Address: ( <u>X</u> ) Same		
SEATI	LE WA 98108-2631		_		
3. Techr Conta	ical ct/Phone: <u>TIM SMITH</u>				
4. Alter Conta	nate ct/Phone: <u>DAVE_HAGUE</u>	206/762-3362	Billing _Contact/Phone: <u>TIM S</u>	MITH	253/627-7 <u>568</u>
PROPERTI	ES AND COMPOSITION ss Generating Waste: CYANIDE CONSOLI	DATION FROM OUTSID	E SOURCES		
6. Waste	Name: CYANIDE MIXTURE SOLUTION				
	this a USEPA hazardous waste (40 CFR ntify ALL USEPA listed and character				
	2 F003 F004 F005 F006 F007 F008 F009				
_	cal State @ 70F: A. Solid(_) Liquid(				
9A. pH:	Range <u>12.5 to 14.0</u> or Not applicable	(_) B. Strong (	Odor (_);describe		
10.Liqui	d Flash Point: < 73F (_) 73-99F (_)	100-139F (_) 14	0-199F (_) >= 200F ( <u>X</u>	(_) N.A. (_) Clos	sed Cup (X) Open Cup (_)
11. CHEN	ICAL COMPOSITION: List ALL constitutituents	ents (incl. haloge R	nated organics) presen ange Unit Descri	t in any concentr ption	ration and forward analysis
CYAN	IDE		to 10 %		
WATE			to 99 &		
MET?	LS [IN SOLUTION]: ARSENIC, BARIUM,	CADMIUM, 0 1	to 15 %		
_ <u>L</u> I	AD, RINC, CHRONE, SILVER, SODIUM		to		
	RIDE				
	NICS, REGULATED AND NON - REGULATED. L COMPOSITION (MUST EQUAL OR EXCEED	•			
12. OTHE	R: PCBs if yes, concentration Radioactive (_) Benzene if yes, Carcinogen (X) Infectious (_) Ot	ppm, PC concentration her	Bs regulated by 40 CFR ppm. NESB	1761 (_). Pyroph DAP (_) Shock Sens	noric (_) Explosive (_) itive (_) Oxidizer (_)
13. If w	aste subject to the land ban & meets	treatment standar	ds, check here: _ & su	pply analytical r	results where applicable.
SHIPPING 14. PACE	: INFORMATION AGING: Bulk Solid (_) Bulk Liquid (	<u>X</u> ) Drum (_) Type/	Size: TANK	Other	
15. ANTI	CIPATED ANNUAL VOLUME: 5000 U	nits: <u>GALLONS</u>	Shipping F	requency: WEEK	_
	INFORMATION ple source (drum, lagoon, pond, tank	, vat, etc.):		Sample	e Tracking Number: 4511516
Dat	e Sampled: Sampler's Name/C	ompany:			
16b. Ger	erator's Agent Supervising Sampling:		17.	(_) No sample re	equired (See instructions.)
GENERATO I hereby this was relevant CWM to o	R'S CERTIFICATION certify that all information submit te. Any sample submitted is represen information regarding known or susp obtain a sample from any waste shipme	ted in this and al tative as defined ected hazards in t nt for purposes of	l attached documents of in 40 CFR 261 - Appendate possession of the orecertification.	contains true and lix I or by using generator has been	accurate descriptions of an equivalent method. All n disclosed. I authorize

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18. This is a Nonwastewater.

19.	If this waste is	subject	to any California applicable:	list	restrictions	enter	he let	ter fr	om below	(either	A, I	B.1 c	r B.2)	next	to
	each restriction	that is	HOCs.	PCBs	s, Acid,	A Meta	als, A	_ Cyan	ides						

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

	A. US EPA EAZARDOUS	B. SUBCATEGORY Enter the subcategory descrip	tion.		D. HOW MUST THE WASTE BE		
ref ‡	WASTE CODE(S)	Enter the subcategory descrip  If not applicable,  simply check none	PERFORMANCE- BASED: Check as applicable		SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) 268.42	MANAGED? Enter letter from below	
		DESCRIPTION	NONE	268.41(a) 268	.43(a)	268.42	
1	D002	Non-CWA, Non-Class 1 managed corrosive char. wastes	<u> </u>			DEACT	A
2	D003	REACTIVE CYANIDES					A
3	D004	· 	X				<u> </u>
4	D006		X				A
5	D007		X		i		<u> </u>
6	D008		X_				A
7	D010		X				À_
8	D011		X				A
9	F001		X			INCIN	A
10	F002		X			INCIN	Α
11			X			INCIN	A
12	F004		X		1	INCIN	A
13	F005		X			INCIN	À
14	F006		IX				A
15	P007		l X		Ì		A
16	F008	1 1 1	X				A
17	F009		X		ļ		A
18	F011		X		]		A
19	F012		X		- 1		A
20	F019		X				Α
21	F039		X				A
22	P106		X				A
! !			1				
<u> </u>		!	-				1
! 	<u> </u>	i ! 	1				-

Management under the land disposal restrictions: A. RESTRICTED WASTE REQUIRES TREATMENT
B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
C. RESTRICTED WASTE SUBJECT TO A VARIANCE
D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS
21. Is this waste a soil or debris? No: X Yes, Soil: _ Yes, Debris: _
22. Specific Gravity Range:800 to <u>1.400</u>
23. Indicate the range of each: Units
Cyanides: 0.1 to 10.0 % Type (free, total, amenable, etc.) TOTAL
Cyanides: None to Type (free, total, amenable, etc.)
Sulfides: < 3 to PPM Type TOTAL
Optional Phenolics: < 10 PPM
24. Identify the waste color BROWN , DOT physical state Liquid ,

and physical appearance LOW VISCOSITY TRANSLUCENT TO OPAQUE

25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION		26. RECLAMATION, FUELS OR INCINERATION PARAMETERS (Provide if information is available)
TOTAL		RANGE
Beryllium as Be < 5000	ppm	A. Heat Value (Btu/lb):12000
Potassium as K 10000	ppm	B. Water:
Sodium as Na 88000		C. Viscosity (cps):F _ 100 F _ 150 F
	8	D. Ash: %
Chlorine as Cl < 5	8	E. Settleable solids: %
Fluorine as F < 5		F. Vapor Pressure @ STP (mm/Hg):
Sulfur as S < 5	8	G. Is this waste a pumpable liquid? Yes <u>X</u> No _
		H. Can this waste be heated to improve flow? Yes _ No X
		I. Is this waste soluble in water? Yes X No _
		J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes X No _
27. TRANSPORTATION INFORMATION  A. Is this a DOT Hazardous Material? Yes X No _  B. Proper Shipping Name	CYNAN	Sonous materials I.D. UN2927 Packing Group: II  Lb
Material Safety Data Sheets Attached  29. OTHER INFORMATION  GENERATOR WILL PROVIDE UHC'S WITH EACH SHIPMENT		

30. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

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31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

METALS	Check o	TCLP Informationly ONE for each	ch cons	tituent	TCLP Data	TCA or TOTAL Use units: ppm, mg/l, mg/kg or percent California List							
	Less Than	Regulated	Equal or More	Waste No.	TCLP Actual		Regu	lated	Equal or More	Actual			
Arsenic as As		5.0 mg/l	X	D004			500	mg/l	i !	<200	ppm		
Barium as Ba		100.0 mg/l	X	D005						<200	ppm		
<u>Cadmium as Cd</u>		1.0 mg/l	X	D006			100	mg/1	i !	<200	ppm		
<u>Chromium tot Cr</u>		5.0 mg/l	X	D007						<200	ppm		
Lead as Pb		5.0 mg/l	X	D008			500	mg/1		<100	ppm		
Mercury as Eq	X	.2 mg/l		D009			20	mg/l		<0.1	_ppm		
Selenium as Se	X	1.0 mg/l		D010		X	100	mg/1					
Silver as Ag	_	5.0 mg/l	X	D011					<u> </u>	<200	ppm		
Nickel as Ni							134	mg/l		<200	ppm		
Thallium as Tl	_					X	130	mg/l	i !	<200	ppm		
Chromium Hex						X	500	mg/1					
Antimony	_									<200	ppm		
Beryllium				_						<200	ppm		
Copper	_												
Vanadium										<200	ppm		
Zinc	_												
<u>Potassium</u>										<2000	ppn		
Sodium										57800	ppm		
				i									
						1 1							

Date Printed 02/04/98

alikifikiki bir soluli — Barisa kammanarini — kili a solulikini ili —

32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

TCLP Information: Check only ONE for each constituent			<u>istituent</u>	TCLP Data	TCA or TOTAL Use units: ppm, mg/l or
Less Than	Regulated Level	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l	
X	0.5 mg/l		D018		
<u> </u>	0.5 mg/l		D019		
X	0.03 mg/l		D020		1
X_	100.0 mg/l		D021		1
<u> </u>	6.0 mg/l	<u> </u>	D022		
<u> </u>	200 mg/l		D024		
X	200.0 mg/l	1	D023		
<u>  X</u>	200.0 mg/l		D025		
X	200.0 mq/l		DQ26		
X	10.0 mg/l		D016		
X	7.5 mg/l	i	D027_		<u> </u>
X X	0.5 mg/l		D028		
<u> </u>	0.7 mq/l		D029		
X	0.13 mg/l		D030		
X	.02 mg/l		D012		
X	0.008 mg/l		D031		
X	0.5 mg/l		D033		
X	0.13 mg/l	i i	D032		
X	3.0 mg/l		D034		
X	0.4 mg/l		D013		
X	10.0 mg/l		D014		
X	200.0 mg/l	<u> </u>	D035		
X	2.0 mg/l		D036	<u> </u>	
X	100.0 mg/l		D037		
X	5.0 mg/l		D038		
X_	0.7 mg/l		D039		
X	0.5 mg/l		D <u>015</u>		
X	1.0 mg/l	!	D017		1
X	0.5 mg/l	1	D040		
<u> </u>	400.0 mg/l		D041	· · · · · · · · · · · · · · · · · · ·	
X	2.0 mg/l		D042	<u> </u>	-
X_	0.2 mg/l	1	D043		
!					1
	Less Than  X X X X X X X X X X X X X X X X X X	Less   Regulated   Than   Level	Check only ONE for each con	Check only ONE for each constituent   Equal   Faqual   Waste   Than   Level   More   No.	Check only ONE for each constituent   Less   Regulated Than   Level   More   No.   Use units: ppm or mg/1

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Programme Andrews Programme and the Control of the

URC Constituent	Management Method
Cyanides (Total)	<u>A</u>
Cyanides (Amenable)	<u>A</u>
Arsenic	<u>A</u>
Cadmium	<u> </u>
Chromium (Total)	<u>A</u>
Lead	<u>A</u>
Selenium	<u>A</u>
Silver	<u> </u>
Solvent Constituent	Management, Method

Date Printed <u>02/04/98</u>	Appendi	x L		Profile TWI CI5789
NISCELLANEOUS PROFILE FIELDS				
Selling Region Lab: MRL Master Profile No.: PTA-NC Sales Office: PTA Location Orig: PTA Profile Expires .: 2/03/00 Approved: Signed Profile Present: Y Chang Site (DCS) Status: REO FOR DC Prof. Tracking No: 4511516	Pending: <u>N</u> Waste Status: <u>P</u>			
Puels Approval.: Pumpable Liquid Exact: % OR R Type of Pump: Additional Anticipated Vol:	inge: % Per: _ Unit Code/Des:			
Handling Codes:				
EPA Data: Status Code: C Permit No: Expr. Certificate of Destruction or Dis DOT Properties: Inhalation: De	Tax Code: _ Date.: Volume: _ osal Required ? Project # : mal: _ Oral: _ Flammable: _ Heal	th: _		
Percent Taxable: No Tranship Dest .: Dor Material Class.: TO7 Process Codes .: Dr DLL Schedule Category: SPAT				
Listed Solvent Waste: Hal.  Etiologic	rg. Compounds.: RCRA Reactive Reactive : Pesticide Mfg colution : Wet Kone Concentration Boiling Point ive to Steel or Aluminum Organi	. Waste: _ F _ c Peroxide _		
GENERATOR FROM PAGE 1 Business Name PHILIP SERVICES CORP	USEPA ID Rltn Contract in Plac ADD00812909 <u>G</u>	e at Expires on	Evergreen Contract	
ADDITIONAL BUSINESSES BUSINESS Name PHILIP SERVICES CORP	USEPA ID Rltn Contract in Plac	e at Expires on	Evergreen Contract	
ADDITIONAL PROFILE COMMENTS Cat Comment CSR REACTIVE CLASS: E CSR GENERATOR WILL PROVIDE UHC'S	Cat CSR W/RACH SHIPHENT	Comment REVIEWED FOR PHASE I	II LDR	
SUPPLEMENTAL FIELDS				

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Date Printed 2/04/98

# Profile Change History

Profile #
TWI C15789

This section lists comments describing changes made to the profile.

Profile Change Comments	Date	User
MRL/BP3414 Entire profile copied to MRL/CI5789	1/19/98	WMO911TTT
1	1/19/98	WMO911TTT
TWI APPROVAL	2/04/98	WMO911TTT
MRL/CI5789 Entire profile copied to TWI/CI5789	2/04/98	WM0911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WK0911TTT
<u> </u>	2/04/98	WMO911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WMO911TTT
MRL/CI5789 Core Profile Info copied to TWI/CI5789	2/04/98	WMO911TTT
MRL/CI5789 Change Log copied to TWI/CI5789	2/04/98	WMO911TTT

TO THE STREET ST

#### Schedule Categories

Profile # TWI C15789

Category

<u>Description</u> <u>Direct Feed Liquid</u>

- \$540 prod 2006 5000 000 000 000 - \$222 prod 500 000 production

Container

Tank Trucks

#### Pricing Comments

Disposal Price

- If off-gate PE required.

- If T & D bundled 40,000 pound minimum.

Transportation Price

- Load/Trip/Mile

- \$460 minimum transportation fee.

- \$100 per day tanker rental.

- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the the customer to the disposal facility.

Demurrage Demurrage

- \$85 an hour after 1 1/2 hour loading time. Waste Approval Fees

 \$150 paperwork approvals (no analytical).
 \$500 analytical approval.
 Characterization & unknowns are priced upon request.

- Characterization & unknowns are priced upon request.

Pricing Conditions
- Tanker Rinseout & Heel Removal Fees:
- \$500 aqueous rinseout fee (no solids) plus cost of solvent used.
- \$1,000 rinseout fee with <50 gallons of rinseable solids plus cost of solvent used.
- \$1,000 fee for "P" code triple rinseout plus cost of solvent used.
- \$1,000 minimun tanker entry fee plus \$1.45 per pound disposal for cleanout of greater than 50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- A \$300.00 minimum disposal fee for drums per profile number, per shipment.
- Containers <55 gallons for solids/sludges will be prorated per gallon with a \$XX.XX minimum.
- \$75.00 per drum for any overpacked material.
- Metal drums containing EPA P-waste codes will be surcharged as follows:
- \$25.00 for 10 to 29 gallon drums.
- \$100.00 for 30 to 55 gallon drums.
- Discrepant material will be surcharged on a case-by-case basis.

case-by-case basis.

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- 18. This is a Nonwastewater.
- 19. If this waste is subject to any California list restrictions enter the letter from below (either A, B.1 or B.2) next to each restriction that is applicable:
  \_\_\_\_ HOCs, \_\_\_ PCBs, \_\_\_ Acid, A\_\_ Metals, A\_\_ Cyanides
- 20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

	A. US EPA HAZARDOUS	B. SUBCATEGORY Enter the subcategory descript	ion.		C. APPL	ICABLE TREATMENT STANDARDS	D. HOW HUST THE WASTE BE
REF ‡	WASTE CODE(S)	Enter the subcategory descript If not applicable, simply check none		PERFORMANCE- BASED: Check as applicable		SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42	MANAGED? Enter letter from below
		DESCRIPTION	NONE	268.41[a]	268.43(a)	table 1 treatment code(s) 268.42	<del>-</del>
1	D002	Non-CWA, Non-Class 1 managed corrosive char. wastes		<u> </u>	X	DEACT	<u> </u>
2	D003	REACTIVE CYANIDES	<u> </u>	<u> </u>	X		A
3	D004		X	<u> </u>			<u> </u>
4	D006		X	X			<u> </u>
5	D007		X	X			A
6	D008		X	X	i i		À
7	D010		X	X			i A
8	D011		X	<u> </u>			<u> </u>
9	F001		X	<u>x</u> _	X		<u> </u>
10	F002		X	X	X		i A
11	F003		X	<u> </u>	X_		A
12	F004		X	X_	X		A .
13	F005		X	<u>x</u>	X _		A
14	F006		X	X	X		
15	F007		X	X	X		i a
16	F008		X	X_	X		A
17	F009		X_	X_	X		Α
18	F011		X	X_	X		A
19	F012		<u> </u>	X	X		<u> </u>
20	F019	i 	X	X	X		A
21	F039		X	X	X		. A
22	P106		X		X		A
	<u> </u>		1	<u> </u>			
			<u> </u>	<u> </u>			
		i ! !	<u> </u>	<u> </u>			i !

	Management under the land disposal restrictions: A. RESTRICTED WASTE REQUIRES TREATMENT
	B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
	B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
	B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
	C. RESTRICTED WASTE SUBJECT TO A VARIANCE
	D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
	E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS
21.	Is this waste a soil or debris? No: X Yes, Soil: _ Yes, Debris: _
22.	Specific Gravity Range:800 to 1.400
23.	Indicate the range of each: Units
	Cyanides:0.1 to10.0 % Type (free, total, amenable, etc.) TOTAL
	Cyanides: None to Type (free, total, amenable, etc.)
	Sulfides: None to Type
	Optional Phenolics: None to
24.	Identify the waste color brown , DOT physical state Liquid ,
	and physical appearance LOW VISCOSITY, TRANSLUCENT TO OPAQUE

NEIC VP0972E01

Page 376 of 412

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25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION		26. RECLAMATION, FUELS OF INCINERATION PARAMETERS (Provide if information is available)
TOTAL		RANGE
Beryllium as Be < 50	ppm.	A. Heat Value (Btu/lb):12000
Potassium as K 10000		B. Water:
Sodium as Na 88000		C. Viscosity (cps): F _ 100 F _ 150 F
Bromine as Br < 1		D. Ash: %
Chlorine as Cl < 1 to 1		E. Settleable solids: %
Fluorine as F < 1	•	F. Vapor Pressure ( STP (mm/Hg):
Sulfur as S < 1 to 1		G. Is this waste a pumpable liquid? Yes X No _
Sullul as 5 1 co 1	_ •	H. Can this waste be heated to improve flow? Yes _ No X
		I. Is this waste soluble in water? Yes X No _
		J. Particle size: Will the solid portion of this
		waste pass through a 1/8 inch screen? Yes X No _
and Additional Description if required: (INORGAN  C. DOT Regulations: United Nations Hazard Class:  D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg  E. Non-Bulk code 202 Bulk code 243  F. Special Provisions T42  G. Labels Required POISON CORROS	IC CYNAN  6.1 Poi	Sonous materials I.D. UN2927 Packing Group: II
28. SPECIAL HANDLING INFORMATION		
ASH CONTENT: 0 - 20% H20: 60 - 95 % CARCINOGENS: AS	, INORGA	NIC, CADMI
UN AND LEAD.		
* PURSUANT TO 40 CFR 82.13 (K), CWM IS NOTIFYING THE		
THAT ANY CLASS I CONTROLLED SUBSTANCES WHICH MAY B	E INCLUD	ED IN THIS
WASTE WILL BE DESTROYED WITHIN 1 YEAR OF RECEIPT A	T CWN-PO	RT ARTHUR.
_ Material Safety Data Sheets Attached		
29. OTHER INFORMATION		
ALL METALLIC COMPOUNDS PRESENT IN THE WASTE AT OR AB-	OVE 18 A	RE LISTED UNDER SECTION 11 OF THIS
PROFILE.		
BASED UPON GENERATOR'S KNOWLEDGE:		· 
1) THIS WASTE DOES NOT CONTAIN ANY COMPRESSED GASES	NOR ANY	NUNICIPAL GARBAGE.
21 THIS WASTE DOES NOT CONTAIN t-BUTYL MERCAPTAN AT	OR ABOVE	5.000 PPN.

PROPERTY LIES TO ENGLISHED CONTROL CON

- 29. OTHER INFORMATION (continued)
  - \* THE CWM DEVELOPED ANALYTICAL INFORMATION IN THIS PROFILE FOLLOWS THE ANALYTICAL AND QA/QC
    METHODOLOGIES PRESCRIBED BY THE FACILITY'S WAP.
  - \* THIS WASTE CONTAINS NO BENZENE AS A CONSTITUENT OF EITHER THE TREATMENT STANDARD FOR FO05 AND/OR
    F039 AND IS THEREFORE NOT SUBJECT TO NESHAP FOR BENZENE.
- 30. CHENICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

31. OTHER HAMARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

Region VI - English Military at he I - Character Market and a Second Displacement of the analysis of the Community of the Co

METALS	Check o	TCLP Informately ONE for each	ch cons	l i	TCLP Data			units	or per	mg/l, mg/kg	
	Less Than	TC Regulated Level	Equal or More	Waste No.	TCLP Actual	1	Requ	lated	Equal or More	Actual	
Arsenic as As	_	5.0 mg/l_	X	D004		-	500	mg/l		<200	ppm
Barium as Ba		100.0 mg/l	X	D005					<u> </u>	<200	ppin
Cadmium as Cd		1.0 mg/l	X	D006			100	mg/l	i 	<200	ppm
<u>Chromium tot Cr</u>		5.0 mg/l	X	D007					<u> </u>	<200	ppm
Lead as Pb		5.0 mg/l	X	D008			500	mg/1_	<u> </u>	<100	ppm
Mercury as Hg	X	.2 mg/l		D009			20_	mg/l	i !	<0.1	_ppm
  Selenium as Se	X	1.0 mg/l		D010		_ X	100	mg/l	<u> </u>	i ! 	
Silver as Aq		5.0 mg/l	X	D011					<u> </u>	<200	ppm
Nickel as Ni		] 	<u> </u>				134	_mg/l	<u> </u>	<200	ppm
Thallium as Tl						X_	130	mg/l	<u>.</u>	<200 	ppm
Chromium Hex						X	500	mg/l	}		
Antimony									!	<200	mag
Beryllium		_			_				! !	<200 <u> </u>	mqq
Copper									i 		
Vana <u>dium</u>										<200	ppm
linc							_				
Potassium										<2000	ppm
Sodium_		:								57800	ppm

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32. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

ORGANICS	l !Check or	TCLP Informately ONE for each	tion:	stituent	TCLP Data	TCA or TOTAL Use units: ppm, mg/l or %	
	Less Than	Regulated	Equal or More	Waste No.	TCLP Analytical Test Results Use units: ppm or mg/l		
<u>Benzene</u>	X_	0.5 mg/l		D018			
Carbon Tetrachloride	X	0.5 mg/l		D019			
Chlordane	X	0.03 mg/l	!	D020			
Chlorobenzene	X	100.0 mg/l		D021			
Chloroform	X	6.0 mg/l		D022			
m-Cresol	X	200 mg/l		D024			
o-Cresol	X	200.0 mg/l	<u> </u>	D023			
p-Cresol	X	200.0 mg/l		D025			
Cresol	X	200.0 mg/l		D026			
2,4-D	X	10.0 mg/l	<u> </u>	D016			
1,4 Dichlorobenzene	X	7.5 mg/l		D027			
1,2-Dichloroethane	X_	0.5 mg/l		DQ28			
1,1-Dichloroethylene	X	0.7 mg/l		D029			
2,4-Dinitrotoluene	X	0.13 mg/l		D <u>030</u>			
Endrin	X	.02 mg/l		D012		1	
Heptachlor, & Hydroxide	X	0.008 mg/l		D031			
Hexachloro-1,3 Butadiene	X	0.5 mg/l		D033			
Hexachlorobenzene	X	0.13 mg/l		D032			
Hexachloroethane	X	3.0 mg/l	-	D034			
Lindane	X	0.4 mg/l		D013			
Methoxychlor	X	10.0 mg/l	-	D014			
Methyl Ethyl Ketone	X	200.0 mg/l		D035			
Nitrobenzene	X	2.0 mg/l		D036			
Pentachlorophenol	X	100.0 mg/l		D037			
Pyridine	<u> </u>	5.0 mg/l		D038			
Tetrachloroethylene	<u> </u>	0.7 mg/l		D039			
Toxaphene	X	0.5 mg/l		D015			
2,4,5-TP Silvex	X	1.0 mg/l		D017			
Trichloroethylene	X	0.5 mg/l	-	D040		<del> </del>	
2,4,5-Trichlorophenol	X	400.0 mg/l		D041			
2,4,6-Trichlorophenol	<u> </u>	2.0 mg/l		D042			
Vinyl Chloride	X	0.2 mg/l		D043			
		1					
	1	<u> </u>				!	

PRODUCTION STORY & TO A PROSECULAR OF ELECTRONIST OF A PROSECULAR STORY AND A PROSECULAR OF A

UHC Constituent	Management Method
Cyanides (Total)	<u> </u>
Cyanides (Amenable)	<u> </u>
Arsenic	<u>A</u>
Cadmium	<u>A</u>
Chromium (Total)	<u>A</u>
Lead	<u> </u>
Selenium	<u>A</u>
Solvent Constituent	Management Method

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# Date Printed <u>02/03/98</u>

MISCELLANEOUS	PROFILE	FIREDS

MISCELLANEOUS PROFILE FIELDS
Selling Region Lab: MRL Master Profile No.: PTA-NC Sales Office: PTA Location Orig: PTA Location Orig: PTA Profile Expires.: Approved: Signed Profile Present: Y Change Pending: N Waste Status: P Site (DCS) Status: 1 Approved Prof. Tracking No: 4511516
Fuels Approval.: Pumpable Liquid Exact: \$ OR Range: Type of Pump. : Additional Anticipated Vol: Per: Unit Code/Des:
Handling Codes: M LEVEL C W/NITRILE GLOVES 01 ACID/ORGANIC 07 Contains Cyanide 07 AVOID SKIN CONTACT 14 BULK
EPA Data: Status Code: C
Percent Taxable:  Tranship Dest ::  Download Generator: 1025022  Naterial Class::  Treatment Codes:  To7  Process Codes :: DI  Schedule Category:  Schedule Interval:  Listed Solvent Waste:  Hal. Org. Compounds.:  Water Reactive:  Ignition Screen :  Gas Evolution :  Self-heating cube sz  Vapor Concentration  Boiling Point F  Is Gas Ignitable?  Corrosive to Steel or Aluminum  Organic Peroxide  Chemical Family Name
GENERATOR FROM PAGE 1 Business Name USEPA ID Rltn Contract in Place at Expires on Evergreen Contract PHILIP SERVICES CORP WADOOUS12909 G
ADDITIONAL BUSINESSES Business Name USEPA ID Rltn Contract in Place at Expires on Evergreen Contract PHILIP SERVICES CORP WADOOUS12909 I
ADDITIONAL PROFILE COMMENTS  Cat Comment Cat Comment  PSC FGPT: TOTAL SODIUM CONTENT PSC CODES AS MANIFESTED.  PSC COMPATABILITY GROUP \$ 4 (WHITE) PSC CAUTION: CONTAINS CYANIDES]]]]]]  PSC DO NOT MIX WITH LOW DE MATERIALS.  PSC CC CONTROLS NOT REQUIRED.
SUPPLEMENTAL FIELDS Field Value STW12 99906 STW1D OUTS107H APPLL HOU APPEE 05

Date Printed 2/03/98

# Profile Change History

Profile # MRL CI5789

This section lists comments describing changes made to the profile.

Profile Change Comments
MRL/BP3414 Entire profile copied to MRL/CI5789

Date 1/19/98 1/19/98 User WM0346DMM WM0346DMM

The control of the co

Date 2/03/98 Time 13:21:42

WAS PLANTED FOR

WAR

Page . . : Program . : R7004RPT User . . : WMD911RDS

Report: 7004 Version: 4A.00

This Report is intended for the use and benefit of Waste Management and its companies. No representation concerning significance of the reported data is made to any other person or entity.

Tracking Number : 4510529

Site Name . . . : MIDWEST REGIONAL LAB

Profile . . . . : CI5789

Generator Name . : PHILIP SERVICES CORP

Waste Description : CYANIDE MIXTURE SOLUTION Priority Code , :

Date Received . : 1/19/98

Approved , . . . : Y 1/22/98

	FINGERPRINT					
Test Description	Ext.	L	Test	Unit	Date	Lab
	Procedure	#	Result	Desc.	Analyzed	Tech
INCIDENTAL ODOR		01	попе		1/21/98	OAI
LAYERS		01	1		1/21/98	DAI
PERCENT FREE LIQUIDS		01	100	2	1/21/98	OAI
COLOR		01	brown		1/21/98	DAI
PHYSICAL STATE		01	liquid		1/21/98	OAI
WATER SOLUBILITY		01	soluble		1/21/98	OAI
TURBIDITY		01	translucent		1/21/98	OAI
VISCOSITY		D1	low		1/21/98	DAI
CYANIDE SCREEN		01	positive		1/21/98	OAI
OXIDIZER SCREEN		01	negative		1/21/98	DAI
FLAM, POTENTIAL		01	negative		1/21/98	OAI
SULFIDE SCREEN		01	negative		1/21/98	OAI
RADIATION SCREEN		01	background		1/21/98	OAI
DENSITY		01	1,1358		1/21/98	REC
PH BY PAPER		01	13	Std Unit	1/21/98	OAI
WATER REACTIVITY		01	negative		1/21/98	OAI
	PCBS					
Test Description	Ext.	L	Test	Unit	Date	Lab
	Procedure	#	Result	Desc.	Analyzed	Tech
AROCLOR 1015	PCBS	01 <	5.2	PPM	1/21/98	RXD
AROCLOR 1221	PCBS	01 <	5.2	PPM	1/21/98	RXD
AROCLOR 1232	PCBS	01 <	5.2	PPM	1/21/98	RXD
AROCLOR 1242	PCBS	01 <	5.2	PPM	1/21/98	RXD
AROCLOR 1248	PCBS	01 <	5.2	PPM	1/21/98	RXD
AROCLOR 1254	PCBS	01 <	5.2	PPM	1/21/98	RXD
AROCLOR 1260	PCBS	01 <		PPM	1/21/98	RXD
	SPECTROSCOPY					
Test Description	Ext.	L	Test	Unit	Date	Lab
	Procedure	#	Result	Desc.	Analyzed	T 1-

20

01 <

SILVER - TOTAL

1/22/98 RJK

PPM

• :				A
	01 <	200	PPM	Appended RJK
ARSENIC - TOTAL	==	200	PPM	1/22/98 RJK
BARIUM - TOTAL	01 <		PPM	1/22/9B RJK
BERYLLIUM - TOTAL	01 <	200	PPR	1,22,35 1.01
REKALLING - IOIVE				

NEIC VP0972E01

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Veolia ES Technical Services Sauget, Illinois

Page . . : Program , : R7004RPT

WAR Date 2/03/98 Time 13:21:42 User . . : WM0911RDS Report: 7004 Version: 4A.00 Tracking Number : 4510529 Profile . . . . : C15789 Site Name . . . : MIDWEST REGIONAL LAB Generator Name . : PHILIP SERVICES CORP Waste Description : CYANIDE MIXTURE SOLUTION Date Received . : 1/19/98 Priority Code . : Approved . . . : Y 1/22/98 SPECTROSCOPY Ext. Unit Test Description Test Date Lab Procedure Result Desc. Analyzed Tech CADMIUM - TOTAL 01 < 200 PPN 1/22/98 RJK CHROMIUM - TOTAL 01 < 200 1/22/98 RJK MERCURY - TOTAL D1 < 0.100 1/22/98 RJK POTASSIUM - TOTAL 01 < 2000 PPM 1/22/98 RJK SODIUM - TOTAL 01 57800 PPM 1/22/98 RJK 01 < 200 PPM 1/22/98 NICKEL - TOTAL RJK DDM LEAD - TOTAL 01 < 200 1/22/98 RJK 01 < 200 PPM 1/22/98 ANTIMONY - TOTAL RJK 01 < THALLIUM - TOTAL 200 PPM 1/22/98 RJK 01 < 200 1/22/98 VANADIUM - TOTAL PPM RJK WET CHEMISTRY

				- س د بده - دب بده مد ب - دبروه مد بور - دب وره مد بور و - دب وره مد بور ب - در بورد			
Test Description	Ext.	L		Test	Unit	Date	Lab
	Procedure	#		Result	Desc.	Analyzed	Tech
HEATING VALUE		01	<	450	BTU/LB	1/21/98	REC
SULFUR, AS S (TOTAL)	CWM 92-40	01	<	0.1	2	1/21/98	REC
ASH CONTENT, ON IGNITION	CWM 92-69	01		11.2	2	1/21/98	REC
TOTAL ORGANIC CONTENT		01		29	z	1/21/98	REC
BROMINE		01	<	0.1	x	1/21/98	REC
FLUORINE		01	<	0.1	2	1/21/98	REC
CHLORINE		01		0.874	x	1/21/98	REC
SCRUB ACIDITY		01		0.001	gNaO/gSx	1/21/98	REC
WATER CONTENT	ASTM E203	01		60.4	2	1/21/98	REC

#### Comments:

RETURN COMPLETED ANALYSIS TO PTA APPROVALS DEPT. FLASH POINT NEEDS TO BE RAN FOR TWI APPROVALS.

CERTIFICATION: The analytical results in this report are intended solely to assist the client named herein in characterizing waste materials. Any other use is at the user's risk and Chemical Waste Management, Inc. shall assume no liability beyond the stated purpose of the data herein contained. The 'stated purpose' may include waste approval determination and/or the analysis of an unknown material.

Approval:		 	 	-
Lab Managers	Name:		 	

TRACVING #. A	544887 PRIORIT	V. 97			TV	VI L	ABOR	ATORY ANA	LYS	IS R	EPORT	•
PROFILE #: CI		CD: 10/21/	/99					. 1		<i>(</i> )	<i></i>	
	ILIP SERVICES C	:ORP		PRO	CES	s cod	E	PROF	ILE#_	<u>CZ</u>	L578	3
/ WASTE CATEGOR		/	W/	(	) PCI	B ANA	LYSIS R	LEQUIRED				
DESCRIPT: CYA	NIDE MIXTURE SO	LUTION '	ز	. (>	) LAE	3: REC XIN I	ERT AN	ALYSIS REQUIRE SOR ANALYSIS	D-SEE I REOU	₿ <b>E</b> QUI RED	RED CMTS	BELOW
				(	) VIS	UALI	NSPECT	TON ONLY	50/	100	0%	
				(	) VIS ) INS	PECT	OUTER	ION: GLOVE B DRUM ONLY - I	OX/HO	LODE!	D FEEDER N - CMTS	BELOW
				(	) REC	CEIVI	NG: VER	DRUM ONLY - I IFY ORIGINAL	CONSU	MER	LABEL A	ND
RECEIVER #:	ì			(				FO ON PDW E REQUIRED				
							REQUIE					
MANIFEST#:									-			
No. DRUMS:								DRUM STOR	AGE C	OMP	ATABILI	ſΥ
DATE:								Profiled DOT	Hazard (	Class	le. ]	
SAMPLER SIGN.	/			P=PASS F=FAIL							417.	
Of Erit Delicoron				_								
SAMPLE NUMBER			]					8A	8B		4/5	
Drum No.			1									
Free Liquid (%)			1				_	PROFILE	CONFO	DB145	DATE	INIT
Pumpable	YES	NO			/				YES			
Layers/Phases -% Ea.	122	%	2_	%	$\top I_3$	<u> </u>	%					
Color			- <u>^</u> -		╁┼			Account of the control of the contro		2		
Turbidity	N/A TnsP Tn	st Opq	N/A	TP TL O	N/A	A TP	TL O		100			
Viscosity	N/A L M	Н	_	L M	_	A L		L M H N/A	***************************************	PROCESSES.		
Physical State	Liq Solid Sludge	e Semi-sld		Sol Slg Ss			Slg Ss					
Water Miscibility	Misc Part Floats	Sinks Emls	M I	PFSE	M	P	SE					
Add. Description:							\					
Water Reactivity	( ) NO RXN		( )R	XN:			1		\$ 55 h			
Radiation Screen	( ) =BKG		<del></del>	BKG:				=BKG				
Flam. Pot. Screen	( ) Neg	/	( )P	os ()E	ю <u>с</u>			See Flashpoint		-		
pH Screen	( ) 1009	<b>(</b> ) 10%	( )D	<u> </u>			-	<2 2-12.5 ≥12.5	) Chasanta			
Oxidizer Screen Paint Filter Test	( ) Neg ( ) Pass		( )P		-Fail	( )	N/A			riació. Francis		
Cyanide Screen	( ) Pass		$\sim$	os	-ran		N/A					
Sulfide Screen	( ) Neg			os os			N/A			- 10 A		
Incidental odor	( ) No	<del> </del>	$\sim$	es:			1111			7.77		
Specific Gravity						/						-
BTU/LB								43000				
% Choride								Clar.				
Flash Point deg. F								<73 <140 (>140 N/A				
PCBs By GC mg/kg								<50ppm				
PCBs-Screen ppm						$\dashv$		<50ppm	36.75.45	प्रस्त स्टब्स्		
2,4,5-T/Silvex ppm		/ WIT	( )(	<u> </u>		+				24		
PCP Screen ppm		( )KIT	( )G			-+		The same of the sa				
pH by Meter / ( ) PCB waived. Does not meet	DCD quarant pritoria	( )100%	0 _(	) 10%		$-\!$			A Part			
ACCEPT / REJECT:		•		t			NE.	W PROFILE#				
Analytical Comments:	( ) Reference Tra	cking# / Sam	nole#5	372 <b>7</b> 1 /1	421	38 fo	r analysis					
Dioxin Precursor analysis	results below site a	action levels	$-(\times)$ N	o additiona	anal	ysis red	quired \	Run on each loa	d			
( ) Analysis supplied by gene	erator - See Tech. M	lanager File.	( ) P	CB analysis	to be	deterr	nined upo	on visual inspection	of was	ste		
Add. Comments			-7 X i					22.46				
PROFILE REVIEW FOR APPE PROFILE & HANDLI				ater Reactive	/e - 21			22-99 2 maisture				
Contains Cyanides - DO	NOT mix with pH <	6 ()Ben	zene Ni	ESHAP con	trols r	require	d: ( ) Co	ert. ( ) No Cer	t.			
( ) Poison Inhalation Hazard							nments:					
COV C NEIC VP6972E01	Acsenic,	Cochai	1 (/L V/5	ane 300 or	145			Veolia ES	Techn	ical Sc	rvices	
This report has been prepared for the	ne exclusive use and be	nefit of Waste I	Mgmt. N	o representatio	on conc	cerning	sample vali	dity or analytical eccu	MANA MARION	omplete	ness	
is hereby made to any other person	receiving this report.	This sample wa	s collecte	ed according t	o appli	cable S	W-846 proc	cedures.		CDC 40		

FPFM998.XLS KS

### CONFIRMATION LETTER

May 31, 2001

KEN ALLEN PHILIP SERVICES CORP 20245 77TH AVE S KENT, WA 98032-1362

Re: Confirmation Number 4560606

Attention: KEN ALLEN

We are pleased to confirm ONYX's approval of your waste material as described below. The attached profile for the waste materials was prepared by ONYX based upon information provided by you. It is important that no changes be made to the profile without ONYX's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

ONYX Profile Number:

CI5789 TWI

Approved Mgmt. Facility:

TRADE WASTE INCINERATION

or another ONYX or ONYX approved facility

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Disposal Price:

- Revised Pricing Effective June 1, 2001 due to processing restraints of sodium content:
- \$0.20 per pound, \$2000.00 minimum per shipment
- \$0.03 per gallon Illinois State Fees
- All Pricing Conditions remain unchanged as
- listed in "Pricing Conditions".
   Price Prior to June 1, 2001:
- \$0.15 per pound, \$2000.00 minimum per shipment

applies.

- \$0.03 per gallon Illinois State fees.

Transportation Price:

- Customer to provide own transportation.
- Direct inject tankers may incur additional cost.
- Cancelled loads require 48-hour notice or they
- will be billed at the regular trip rate.
- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the

the customer to the disposal facility.

Demurrage:

- N/A, Customer to provide own transportation.

Waste Approval Fees:

- Recert approval, no charge.

Rec Room Copy

May 31, 2001

Re: Confirmation Number 4560606

Regard Sandrick Called A.

- Characterization & unknowns are priced upon request.

## Pricing Conditions:

- Tanker Rinseout & Heel Removal Fees:
- \$500.00 Aqueous Rinseout (no solids) plus cost of solvent used.
- \$1000.00 rinseout fee with <50 gallons of rinsable solids plus cost of solvent used.
- \$1000.00 fee for "P" code Triple rinseout plus cost of solvent used.
- \$1000.00 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of >50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.
- See attached copy of Waste Profile Sheet for approved/acceptable waste codes. Only approved waste codes as listed should be shipped.
- Per customer "P-Code" may or may not apply with each particular shipment. When manifested and shipped as "P-Listed Material" a "P-Listed Triple Rinse shall apply. Customer agrees to Triple Rinse charges.

## Profile Expiration Date:

### 1/26/03

### Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using an Illinois manifest.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by ONYX upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the

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CALESTA COURT EXECUSE AND AN AR PROPERTY AND ARE RECEIVED.

May 31, 2001
Re: Confirmation Number 4560606
terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.
If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.
Suzie McCoy

The Thirther Post Williams & Cou**t** — Relations was accurate an excession

#### CONFIRMATION LETTER

May 31, 2001

GARY CRUEGER PHILIP SERVICES CORP 20245 77TH AVE S KENT, WA 98032-1362

Rec Room Copy

Re: Confirmation Number 4560606

Attention: GARY CRUEGER

We are pleased to confirm ONYX's approval of your waste material as described below. The attached profile for the waste materials was prepared by ONYX based upon information provided by you. It is important that no changes be made to the profile without ONYX's consent. If the profile meets with your approval, please call 1-800-894-2876 to schedule shipment of your waste materials.

ONYX Profile Number:

CI5789 TWI

Approved Mgmt. Facility:

TRADE WASTE INCINERATION

or another ONYX or ONYX approved facility

Waste Name:

CYANIDE MIXTURE SOLUTION

Disposal Method:

Incineration

Disposal Price:

- Revised Pricing Effective June 1, 2001 due to processing restraints of sodium content:
- \$0.20 per pound, \$2000.00 minimum per shipment
- \$0.03 per gallon Illinois State Fees
- All Pricing Conditions remain unchanged as
- listed in "Pricing Conditions".
   Price Prior to June 1, 2001:
- \$0.15 per pound, \$2000.00 minimum per shipment

applies.

- \$0.03 per gallon Illinois State fees.

Transportation Price:

- Customer to provide own transportation.
- Direct inject tankers may incur additional cost.Cancelled loads require 48-hour notice or they
- will be billed at the regular trip rate.
- Container deliveries, trailer drop-off, trailer pick-ups, and rejected loads will be billed at the normal trip rate based on mileage from the

the customer to the disposal facility.

Demurrage:

- N/A, Customer to provide own transportation.

Waste Approval Fees:

- Recert approval, no charge.

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May 31, 2001

Re: Confirmation Number 4560606

- Characterization & unknowns are priced upon request.

Pricing Conditions:

- Tanker Rinseout & Heel Removal Fees:
- \$500.00 Aqueous Rinseout (no solids) plus cost of solvent used.
- \$1000.00 rinseout fee with <50 gallons of rinsable solids plus cost of solvent used.
- \$1000.00 fee for "P" code Triple rinseout plus cost of solvent used.
- \$1000.00 minimum tanker entry fee plus \$1.45 per pound disposal for cleanout of >50 gallons of non-flushable solids. 50 gallon minimum disposal charge applies.
- Fees for rinseouts or heel removals for direct inject tankers, odiferous, reactive, or very difficult to remove materials will be evaluated on a case-by-case basis.
- Discrepant material will be surcharged on a case-by-case basis.
- See attached copy of Waste Profile Sheet for approved/acceptable waste codes. Only approved waste codes as listed should be shipped.
- Per customer "P-Code" may or may not apply with each particular shipment. When manifested and shipped as "P-Listed Material" a "P-Listed Triple Rinse shall apply. Customer agrees to Triple Rinse charges.

Profile Expiration Date:

1/26/03

Special Conditions:

- Bulk liquids: Material which cannot be offloaded will be returned to the generator.
- Bulk shipments must be pumpable with a centrifugal pump and solids must pass through a 1/8" screen.
- A signed and completed Land Disposal Notification & Certification form must accompany each shipment. (copy enclosed)
- DOT approved containers.
- All shipments must be made using an Illinois manifest.

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# Properties | # Prop

May 31, 2001
Re: Confirmation Number 4560606
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Suzie McCoy
Onyx Environmental Services, LLC